



# TRIVANTAGE CATALOG 2019-2020

TRIVANTAGE

ORDER. DONE. GOOD CALL.





**MAKE IT EASY TO GET  
YOUR JOB DONE.**

**TRIVANTAGE**

ORDER. DONE. GOOD CALL.



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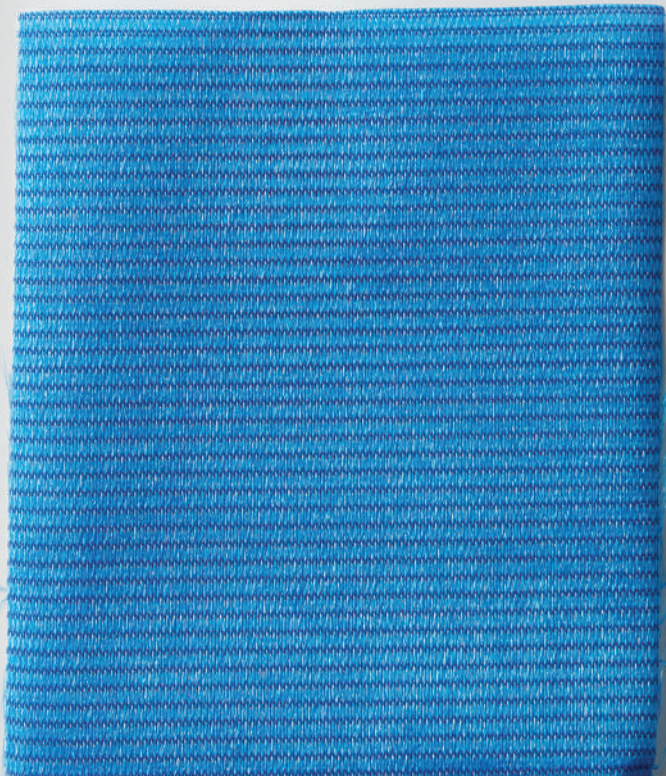
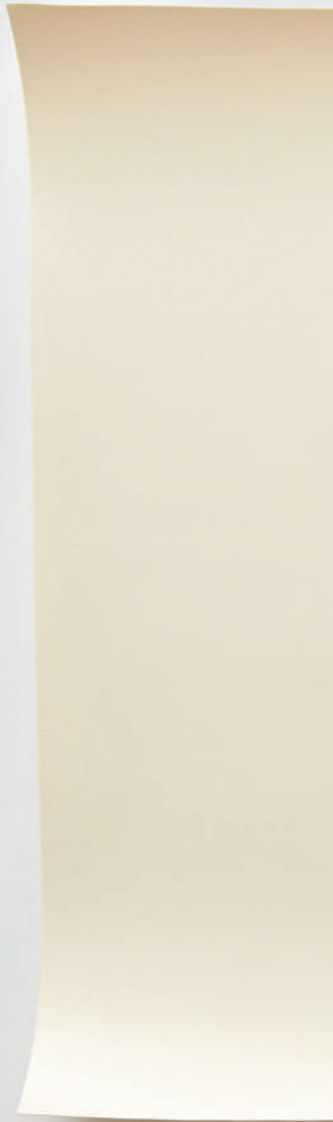
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# FABRIC

The foundation of your project, fabrics are more than a choice of color and pattern. From top brands like Sunbrella®, Herculite®, Phifertex®, Serge Ferrari, Dickson® and Nassimi, Trivantage® carries an extensive selection of performance and designer fabrics with the strength and durability to stand up to indoor and outdoor environments, on land or water. Available in full rolls or by the yard.

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## Sunbrella® Awning/Marine Solids 46 in.

Sunbrella makes it easy to create beautiful designs that outperform the elements. A favorite for awning use, this fabric excels outdoors. The easy-clean material offers excellent water, weather, mildew, and fade resistance. Unlike other performance textiles, Sunbrella is flexible and easy to work with. Choose from a wide selection of high-depth solid colors in Awning/Marine 46-inch Solids. Coordinate with Sunbrella upholstery fabrics for a cohesive look.

Suggested uses: retractable awnings, fixed awnings, window awnings, umbrellas, RV awnings.

Fabric	Sunbrella Acrylic
Finish	Water Repellent
Warranty	10-Year

Item #	Style #	Color	Put Up	Weight	Width
874623	4623-0000	Aquamarine	60 yd.	9 oz.	46 in.
874612	4612-0000	Aruba	60 yd.	9 oz.	46 in.
874668	4668-0000	Aspen	60 yd.	9 oz.	46 in.
874681	4669-0000	Azure	60 yd.	9 oz.	46 in.
874688	4688-0000	Basil	60 yd.	9 oz.	46 in.
874620	4620-0000	Beige	60 yd.	9 oz.	46 in.
874608	4608-0000	Black	60 yd.	9 oz.	46 in.
874640	4640-0000	Black Cherry	60 yd.	9 oz.	46 in.
874631	4631-0000	Burgundy	60 yd.	9 oz.	46 in.
874635	4635-0000	Buttercup	60 yd.	9 oz.	46 in.
874630	4630-0000	Cadet Grey	60 yd.	9 oz.	46 in.
874675	4675-0000	Capri	60 yd.	9 oz.	46 in.
874646	4646-0000	Captain Navy	60 yd.	9 oz.	46 in.
874644	4644-0000	Charcoal Grey	60 yd.	9 oz.	46 in.
874607	4607-0000	Charcoal Tweed	60 yd.	9 oz.	46 in.
874676	4676-0000	Cocoa	60 yd.	9 oz.	46 in.
874665	4665-0000	Concord	60 yd.	9 oz.	46 in.
874662	4662-0000	Crest Ash	60 yd.	9 oz.	46 in.
874660	4660-0000	Crest Birch	60 yd.	9 oz.	46 in.
874606	4606-0000	Dubonnet Tweed	60 yd.	9 oz.	46 in.
874659	4659-0000	Ember	60 yd.	9 oz.	46 in.
874600	4600-0000	Erin Green	60 yd.	9 oz.	46 in.
874671	4671-0000	Fern	60 yd.	9 oz.	46 in.
874637	4637-0000	Forest Green	60 yd.	9 oz.	46 in.
874685	4685-0000	Ginkgo	60 yd.	9 oz.	46 in.
874672	4672-0000	Heather Beige	60 yd.	9 oz.	46 in.
874605	4605-0000	Hemlock Tweed	60 yd.	9 oz.	46 in.
874532	4632-0000	Ivy	60 yd.	9 oz.	46 in.
874603	4603-0000	Jockey Red	60 yd.	9 oz.	46 in.
874633	4633-0000	Linen	60 yd.	9 oz.	46 in.
874654	4654-0000	Linen Tweed	60 yd.	9 oz.	46 in.
874666	4666-0000	Logo Red	60 yd.	9 oz.	46 in.
874667	4667-0000	Mahogany	60 yd.	9 oz.	46 in.
874678	4678-0000	Marine Blue	60 yd.	9 oz.	46 in.
874652	4652-0000	Mediterranean Blue	60 yd.	9 oz.	46 in.
874653	4653-0000	Mediterranean Blue Tweed	60 yd.	9 oz.	46 in.
874616	4616-0000	Mocha Tweed	60 yd.	9 oz.	46 in.
874604	4604-0000	Natural	60 yd.	9 oz.	46 in.
874626	4626-0000	Navy	60 yd.	9 oz.	46 in.
874679	4679-0000	Ocean Blue	60 yd.	9 oz.	46 in.
874609	4609-0000	Orange	60 yd.	9 oz.	46 in.
874642	4642-0000	Oyster	60 yd.	9 oz.	46 in.
874601	4601-0000	Pacific Blue	60 yd.	9 oz.	46 in.
874683	4683-0000	Parchment	60 yd.	9 oz.	46 in.
874643	4643-0000	Persian Green	60 yd.	9 oz.	46 in.
874617	4617-0000	Royal Blue Tweed	60 yd.	9 oz.	46 in.



Item #	Style #	Color	Put Up	Weight	Width
874689	4689-0000	Rust	60 yd.	9 oz.	46 in.
874641	4641-0000	Sapphire Blue	60 yd.	9 oz.	46 in.
874664	4664-0000	Sea	60 yd.	9 oz.	46 in.
874645	4645-0000	Seagrass Green	60 yd.	9 oz.	46 in.
874858	4858-0000	Silica Barley	60 yd.	9 oz.	46 in.
874831	4831-0000	Silica Caribbean	60 yd.	9 oz.	46 in.
874897	4897-0000	Silica Charcoal	60 yd.	9 oz.	46 in.
874859	4859-0000	Silica Dune	60 yd.	9 oz.	46 in.
874670	4833-0000	Silica Gravel	60 yd.	9 oz.	46 in.
874896	4896-0000	Silica Sage	60 yd.	9 oz.	46 in.
874860	4860-0000	Silica Sesame	60 yd.	9 oz.	46 in.
874862	4862-0000	Silica Silver	60 yd.	9 oz.	46 in.
874861	4861-0000	Silica Stone	60 yd.	9 oz.	46 in.
874651	4651-0000	Silver	60 yd.	9 oz.	46 in.
874624	4624-0000	Sky Blue	60 yd.	9 oz.	46 in.
874684	4684-0000	Slate	60 yd.	9 oz.	46 in.
874615	4615-0000	Smoke	60 yd.	9 oz.	46 in.
874673	4673-0000	Spa	60 yd.	9 oz.	46 in.
874669	4636-0000	Storm	60 yd.	9 oz.	46 in.
874602	4602-0000	Sunflower Yellow	60 yd.	9 oz.	46 in.
874614	4614-0000	Tan	60 yd.	9 oz.	46 in.
874648	4648-0000	Taupe	60 yd.	9 oz.	46 in.
874622	4622-0000	Terracotta	60 yd.	9 oz.	46 in.
874628	4628-0000	Toast	60 yd.	9 oz.	46 in.
874696	4696-0000	Tresco Birch	60 yd.	9 oz.	46 in.
874658	4658-0000	Tresco Brass	60 yd.	9 oz.	46 in.
874699	4699-0000	Tresco Brick	60 yd.	9 oz.	46 in.
874698	4698-0000	Tresco Clay	60 yd.	9 oz.	46 in.
874695	4695-0000	Tresco Linen	60 yd.	9 oz.	46 in.
874621	4621-0000	True Brown	60 yd.	9 oz.	46 in.
874610	4610-0000	Turquoise	60 yd.	9 oz.	46 in.
874677	4677-0000	Tuscan	60 yd.	9 oz.	46 in.
874618	4618-0000	Walnut Brown Tweed	60 yd.	9 oz.	46 in.
874674	4674-0000	Wheat	60 yd.	9 oz.	46 in.
874680	4634-0000	White	60 yd.	9 oz.	46 in.

Sunbrella® is a registered trademark of Glen Raven, Inc.



## Sunbrella® Awning/Marine Solids 60 in.

Sunbrella makes it easy to craft beautiful designs that outlast the elements. Popular in the awning market, this fabric shines outdoors. The easy-maintenance material delivers excellent resistance to water, weather, mildew, and fading. Set apart from other performance fabrics, Sunbrella is flexible and easy to work with. Pick from a wide selection of vibrant solid colors in Awning/Marine 60-inch Solids. Match with Sunbrella upholstery fabrics for a streamlined look.

Suggested uses: retractable awnings, fixed awnings, window awnings, umbrellas, RV awnings.

<b>Fabric</b>	Sunbrella Acrylic
<b>Finish</b>	Water Repellent
<b>Warranty</b>	10-Year

Item #	Style #	Color	Put Up	Weight	Width
721760	6023-0000	Aquamarine	60 yd.	9 oz.	60 in.
721766	6012-0000	Aruba	60 yd.	9 oz.	60 in.
721802	6068-0000	Aspen	60 yd.	9 oz.	60 in.



FABRIC **AWNING**

Item #	Style #	Color	Put Up	Weight	Width
721797	6069-0000	Azure	60 yd.	9 oz.	60 in.
721824	6088-0000	Basil	60 yd.	9 oz.	60 in.
721790	6020-0000	Beige	60 yd.	9 oz.	60 in.
721755	6008-0000	Black	60 yd.	9 oz.	60 in.
721774	6040-0000	Black Cherry	60 yd.	9 oz.	60 in.
721765	6031-0000	Burgundy	60 yd.	9 oz.	60 in.
721770	6035-0000	Buttercup	60 yd.	9 oz.	60 in.
721764	6030-0000	Cadet Grey	60 yd.	9 oz.	60 in.
721809	6075-0000	Capri	60 yd.	9 oz.	60 in.
721780	6046-0000	Captain Navy	60 yd.	9 oz.	60 in.
721778	6044-0000	Charcoal Grey	60 yd.	9 oz.	60 in.
721747	6007-0000	Charcoal Tweed	60 yd.	9 oz.	60 in.
721810	6076-0000	Cocoa	60 yd.	9 oz.	60 in.
721799	6065-0000	Concord	60 yd.	9 oz.	60 in.
721754	6006-0000	Dubonnet Tweed	60 yd.	9 oz.	60 in.
721745	6000-0000	Erin Green	60 yd.	9 oz.	60 in.
721805	6071-0000	Fern	60 yd.	9 oz.	60 in.
721771	6037-0000	Forest Green	60 yd.	9 oz.	60 in.
721821	6085-0000	Ginkgo	60 yd.	9 oz.	60 in.
721806	6072-0000	Heather Beige	60 yd.	9 oz.	60 in.
721753	6005-0000	Hemlock Tweed	60 yd.	9 oz.	60 in.
721832	6032-0000	Ivy	60 yd.	9 oz.	60 in.
721751	6003-0000	Jockey Red	60 yd.	9 oz.	60 in.
721767	6033-0000	Linen	60 yd.	9 oz.	60 in.
721788	6054-0000	Linen Tweed	60 yd.	9 oz.	60 in.
721800	6066-0000	Logo Red	60 yd.	9 oz.	60 in.
721801	6067-0000	Mahogany	60 yd.	9 oz.	60 in.
721812	6078-0000	Marine Blue	60 yd.	9 oz.	60 in.
721786	6052-0000	Mediterranean Blue	60 yd.	9 oz.	60 in.
721787	6053-0000	Mediterranean Blue Tweed	60 yd.	9 oz.	60 in.
721823	6087-0000	Mineral Blue	60 yd.	9 oz.	60 in.
721743	6016-0000	Mocha Tweed	60 yd.	9 oz.	60 in.
721752	6004-0000	Natural	60 yd.	9 oz.	60 in.
721762	6026-0000	Navy	60 yd.	9 oz.	60 in.
721822	6086-0000	Nutmeg	60 yd.	9 oz.	60 in.
721813	6079-0000	Ocean Blue	60 yd.	9 oz.	60 in.
721741	6009-0000	Orange	60 yd.	9 oz.	60 in.
721776	6042-0000	Oyster	60 yd.	9 oz.	60 in.
721750	6001-0000	Pacific Blue	60 yd.	9 oz.	60 in.
721817	6083-0000	Parchment	60 yd.	9 oz.	60 in.
721777	6043-0000	Persian Green	60 yd.	9 oz.	60 in.
721757	6017-0000	Royal Blue Tweed	60 yd.	9 oz.	60 in.
721739	2079-0060	Royal Navy	60 yd.	9 oz.	60 in.
721825	6089-0000	Rust	60 yd.	9 oz.	60 in.
721768	6027-0000	Salmon	60 yd.	9 oz.	60 in.
721775	6041-0000	Sapphire Blue	60 yd.	9 oz.	60 in.
721779	6045-0000	Seagrass Green	60 yd.	9 oz.	60 in.

Item #	Style #	Color	Put Up	Weight	Width
721785	6051-0000	Silver	60 yd.	9 oz.	60 in.
721761	6024-0000	Sky Blue	60 yd.	9 oz.	60 in.
721818	6084-0000	Slate	60 yd.	9 oz.	60 in.
721815	6015-0000	Smoke	60 yd.	9 oz.	60 in.
721807	6073-0000	Spa	60 yd.	9 oz.	60 in.
721746	6002-0000	Sunflower Yellow	60 yd.	9 oz.	60 in.
721742	6014-0000	Tan	60 yd.	9 oz.	60 in.
721782	6048-0000	Taupe	60 yd.	9 oz.	60 in.
721784	6050-0000	Teal Tweed	60 yd.	9 oz.	60 in.
721744	6022-0000	Terracotta	60 yd.	9 oz.	60 in.
721763	6028-0000	Toast	60 yd.	9 oz.	60 in.
721872	2389-0060	Toast Tweed	60 yd.	9 oz.	60 in.
721827	6096-0000	Tresco Birch	60 yd.	9 oz.	60 in.
721795	6058-0000	Tresco Brass	60 yd.	9 oz.	60 in.
721830	6099-0000	Tresco Brick	60 yd.	9 oz.	60 in.
721829	6098-0000	Tresco Clay	60 yd.	9 oz.	60 in.
721828	6097-0000	Tresco Ginger	60 yd.	9 oz.	60 in.
721814	6094-0000	Tresco Indigo	60 yd.	9 oz.	60 in.
721826	6095-0000	Tresco Linen	60 yd.	9 oz.	60 in.
721759	6021-0000	True Brown	60 yd.	9 oz.	60 in.
721748	6010-0000	Turquoise	60 yd.	9 oz.	60 in.
721811	6077-0000	Tuscan	60 yd.	9 oz.	60 in.
721758	6018-0000	Walnut Brown Tweed	60 yd.	9 oz.	60 in.
721808	6074-0000	Wheat	60 yd.	9 oz.	60 in.
721796	6034-0000	White	60 yd.	9 oz.	60 in.

Sunbrella® is a registered trademark of Glen Raven, Inc.



## Sunbrella® Awning/Marine Solids 80 in.

A favorite in awning applications, this fabric excels outdoors. The easy-clean material features high-grade resistance to fading, weather, water, and mildew. A step above other performance fabrics, Sunbrella is flexible and easy to handle. Choose from a large spectrum of vivid solid colors in Awning/Marine 80-inch Solids. The wider width makes it great for larger projects. Coordinate with Sunbrella upholstery fabrics for a polished look. Sunbrella makes it easy to craft stunning designs that stand up to the elements.

Suggested uses: retractable awnings, fixed awnings, window awnings, umbrellas, RV awnings.

Fabric	Sunbrella Acrylic
Finish	Water Repellent
Warranty	10-Year

Item #	Style #	Color	Put Up	Weight	Width
722308	80008-0000	Black	50 yd.	9 oz.	80 in.
722331	80031-0000	Burgundy	50 yd.	9 oz.	80 in.
722330	80030-0000	Cadet Grey	50 yd.	9 oz.	80 in.
722346	80046-0000	Captain Navy	50 yd.	9 oz.	80 in.
722329	80044-0000	Charcoal Grey	50 yd.	9 oz.	80 in.
722337	80037-0000	Forest Green	50 yd.	9 oz.	80 in.
722372	80072-0000	Heather Beige	50 yd.	9 oz.	80 in.
722303	80003-0000	Jockey Red	50 yd.	9 oz.	80 in.
722333	80033-0000	Linen	50 yd.	9 oz.	80 in.
722378	80078-0000	Marine Blue	50 yd.	9 oz.	80 in.
722326	80026-0000	Navy	50 yd.	9 oz.	80 in.
722301	80001-0000	Pacific Blue	50 yd.	9 oz.	80 in.
722384	80084-0000	Slate	50 yd.	9 oz.	80 in.

Item #	Style #	Color	Put Up	Weight	Width
722328	80028-0000	Toast	50 yd.	9 oz.	80 in.
722321	80021-0000	True Brown	50 yd.	9 oz.	80 in.
722334	80034-0000	White	50 yd.	9 oz.	80 in.

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## Sunbrella® Plus 60 in.

Sunbrella Plus is a classic Sunbrella awning and marine fabric. Its durable urethane-based undercoating offers outstanding water resistance. Sunbrella Plus uses common Sunbrella colors for easy color coordination.

Suggested uses: patio awnings, fixed frame awnings, pergolas.

Fabric	Sunbrella Acrylic
Finish	Face: Water Repellent, Back: Urethane-Based
Warranty	5-Year

Item #	Style #	Color	Put Up	Weight	Width
728423	8423-0000	Aquamarine	60 yd.	10 oz.	60 in.
728408	8408-0000	Black	60 yd.	10 oz.	60 in.
728431	8431-0000	Burgundy	60 yd.	10 oz.	60 in.
728430	8430-0000	Cadet Grey	60 yd.	10 oz.	60 in.
728446	8446-0000	Captain Navy	60 yd.	10 oz.	60 in.
728406	8406-0000	Dubonnet Tweed	60 yd.	10 oz.	60 in.
728437	8437-0000	Forest Green	60 yd.	10 oz.	60 in.
728403	8403-0000	Jockey Red	60 yd.	10 oz.	60 in.
728404	8404-0000	Natural	60 yd.	10 oz.	60 in.
728442	8442-0000	Oyster	60 yd.	10 oz.	60 in.
728401	8401-0000	Pacific Blue	60 yd.	10 oz.	60 in.
728443	8443-0000	Persian Green	60 yd.	10 oz.	60 in.
728417	8417-0000	Royal Blue Tweed	60 yd.	10 oz.	60 in.
728428	8428-0000	Toast	60 yd.	10 oz.	60 in.

Sunbrella® is a registered trademark of Glen Raven, Inc.





## Sunbrella® Plus 80 in.

Featuring a water-resistant urethane-based undercoating, Sunbrella Plus fabric performs well in both awning and marine settings. Sunbrella Plus uses standard Sunbrella colors for easy pairing. Perfect for marine conditions, it defends against mildew. The heavy-duty fabric can be heat sealed with seam seal tape.

Suggested uses: patio awnings, fixed frame awnings, pergolas.

Fabric	Sunbrella Acrylic
Finish	Face: Water Repellent, Back: Urethane-Based
Warranty	5-Year

Item #	Style #	Color	Put Up	Weight	Width
728508	84008-0000	Black	50 yd.	10 oz.	80 in.
728531	84031-0000	Burgundy	50 yd.	10 oz.	80 in.
728530	84030-0000	Cadet Grey	50 yd.	10 oz.	80 in.
728546	84046-0000	Captain Navy	50 yd.	10 oz.	80 in.
728501	84001-0000	Pacific Blue	50 yd.	10 oz.	80 in.
728528	84028-0000	Toast	50 yd.	10 oz.	80 in.

Sunbrella® is a registered trademark of Glen Raven, Inc.



## Sunbrella® Awning Stripes

A favorite for awning use, this classic striped fabric is built for the outdoors. The easy-care material offers excellent resistance to mildew, water, weather, and fading. Set apart from other technical fabrics, Sunbrella is flexible and easy to handle. Pick from a range of vivid color combinations in Awning 46-inch Stripes. Pair with Sunbrella upholstery fabrics for a polished look. Easily create beautiful designs that stand up to the elements with Sunbrella.

Suggested uses: retractable awnings, fixed awnings, window awnings, umbrellas, RV awnings.

Fabric	Sunbrella Acrylic
Finish	Water Repellent
Warranty	10-Year

Item #	Style #	Color	Put Up	Weight	Width
874995	4995-0000	Ashford Forest	60 yd.	9 oz.	46 in.
874993	4993-0000	Baycrest Pacific	60 yd.	9 oz.	46 in.
874992	4992-0000	Baycrest Sky	60 yd.	9 oz.	46 in.
874741	4741-0000	Beaufort Azure	60 yd.	9 oz.	46 in.
874704	5704-0000	Beaufort Black / White 6 Bar	60 yd.	9 oz.	46 in.
874743	4743-0000	Beaufort Chili	60 yd.	9 oz.	46 in.
874740	4740-0000	Beaufort Ember	60 yd.	9 oz.	46 in.

Item #	Style #	Color	Put Up	Weight	Width
874806	4806-0000	Beaufort Forest Green / Natural 6 Bar	60 yd.	9 oz.	46 in.
874742	4742-0000	Beaufort Storm	60 yd.	9 oz.	46 in.
874702	5702-0000	Beaufort Yellow / White 6 Bar	60 yd.	9 oz.	46 in.
874796	4796-0000	Beige / White	60 yd.	9 oz.	46 in.
874773	4773-0000	Bisque Brown	60 yd.	9 oz.	46 in.
874946	4946-0000	Black / Taupe Fancy	60 yd.	9 oz.	46 in.
874923	4923-0000	Black Forest Fancy	60 yd.	9 oz.	46 in.
874755	4755-0000	Blue Fancy	60 yd.	9 oz.	46 in.
874798	4798-0000	Burgundy / Black / White	60 yd.	9 oz.	46 in.
874902	4902-0000	Captain Navy / NT Classic	60 yd.	9 oz.	46 in.
874776	4776-0000	Chocolate Chip Fancy	60 yd.	9 oz.	46 in.
874888	4888-0000	Clinton Granite	60 yd.	9 oz.	46 in.
874821	4821-0000	Colonnade Currant	60 yd.	9 oz.	46 in.
874855	4855-0000	Colonnade Fossil	60 yd.	9 oz.	46 in.
874856	4856-0000	Colonnade Juniper	60 yd.	9 oz.	46 in.
874857	4857-0000	Colonnade Redwood	60 yd.	9 oz.	46 in.
874823	4823-0000	Colonnade Seaglass	60 yd.	9 oz.	46 in.
874822	4822-0000	Colonnade Stone	60 yd.	9 oz.	46 in.
874746	4835-0000	Cooper Ash	60 yd.	9 oz.	46 in.
874747	4834-0000	Cooper Basalt	60 yd.	9 oz.	46 in.
874988	4988-0000	Cooper Black	60 yd.	9 oz.	46 in.
874987	4987-0000	Cooper Navy	60 yd.	9 oz.	46 in.
874813	4813-0000	Eastland Redwood	60 yd.	9 oz.	46 in.
874994	4994-0000	Eastridge Cocoa	60 yd.	9 oz.	46 in.
874766	4766-0000	Era Ash	60 yd.	9 oz.	46 in.
874763	4763-0000	Era Indigo	60 yd.	9 oz.	46 in.
874959	4959-0000	Fern / Heather Beige Blockstripe	60 yd.	9 oz.	46 in.
874955	4955-0000	Fern Classic	60 yd.	9 oz.	46 in.
874932	4932-0000	Forest / Beige / Natural / Sage Fancy	60 yd.	9 oz.	46 in.
874790	4790-0000	Forest Green Fancy	60 yd.	9 oz.	46 in.
874949	4949-0000	Forest Vintage Bar Stripe	60 yd.	9 oz.	46 in.
874777	4777-0000	Grey / Beige Chip Fancy	60 yd.	9 oz.	46 in.
874799	4799-0000	Grey / Black / White	60 yd.	9 oz.	46 in.
874989	4989-0000	Hatteras Raven	60 yd.	9 oz.	46 in.
874985	4985-0000	Havelock Brick	60 yd.	9 oz.	46 in.
874954	4954-0000	Heather Beige Classic	60 yd.	9 oz.	46 in.
874751	4751-0000	Hemlock Tweed Fancy	60 yd.	9 oz.	46 in.
874969	4969-0000	Henna / Fern Vintage	60 yd.	9 oz.	46 in.
874868	4868-0000	Kiawah Spa	60 yd.	9 oz.	46 in.
874789	4789-0000	Manhattan Classic	60 yd.	9 oz.	46 in.
874891	4891-0000	Manhattan Dune	60 yd.	9 oz.	46 in.
874876	4876-0000	Manhattan Fog	60 yd.	9 oz.	46 in.
874991	4991-0000	Manteo Cardinal	60 yd.	9 oz.	46 in.

Item #	Style #	Color	Put Up	Weight	Width
874921	4921-0000	Mediterranean / Canvas Block Stripe	60 yd.	9 oz.	46 in.
874895	4895-0000	Motive Denim	60 yd.	9 oz.	46 in.
874894	4894-0000	Motive Dusk	60 yd.	9 oz.	46 in.
874916	4916-0000	Navy / Taupe Fancy	60 yd.	9 oz.	46 in.
874768	4768-0000	Preston Stone	60 yd.	9 oz.	46 in.
874961	4961-0000	Putty Regimental	60 yd.	9 oz.	46 in.
874879	4879-0000	Rodanthe Metallic	60 yd.	9 oz.	46 in.
874878	4878-0000	Rodanthe Sunrise	60 yd.	9 oz.	46 in.
874948	4948-0000	Sapphire Vintage	60 yd.	9 oz.	46 in.
874884	4884-0000	Saxon Cascade	60 yd.	9 oz.	46 in.
874885	4885-0000	Saxon Chili	60 yd.	9 oz.	46 in.
874901	4901-0000	Sunbrella Navy / Green / Yellow / Red Regimental	60 yd.	9 oz.	46 in.
874907	4907-0000	Taupe 5-Bar	60 yd.	9 oz.	46 in.
874945	4945-0000	Taupe Tailored Bar	60 yd.	9 oz.	46 in.
874736	4836-0000	Tillman Shale	60 yd.	9 oz.	46 in.
874817	4817-0000	Westfield Mushroom	60 yd.	9 oz.	46 in.

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## Sunbrella® Mayfield Collection

Offered exclusively from Trivantage®, Sunbrella Mayfield features refined patterns and colors. The awning fabric combines a premium aesthetic with the legendary performance of Sunbrella. Classic designs and wider stripes add style and elegance to any canopy. The durable fabric is water repellent, mildew resistant, and heat sealable.

To further elevate outdoor living spaces, Mayfield coordinates with Sunbrella upholstery fabrics. This includes Sunbrella Fusion (also exclusive from Trivantage).

Suggested uses: retractable awnings, fixed awnings, window awnings, umbrellas, RV awnings.



Fabric	Sunbrella Acrylic
Finish	Water Repellent
Warranty	10-Year

Item #	Style #	Color	Put Up	Weight	Width
874928	4928-0000	Alpine / Beige 6-Bar (Beaufort)	60 yd.	9 oz.	46 in.
874922	4922-0000	Alpine Burgundy Pencil Stripe	60 yd.	9 oz.	46 in.
874982	4982-0000	Beaufort / Classic	60 yd.	9 oz.	46 in.
874760	5760-0000	Beige / White 6-Bar (Beaufort)	60 yd.	9 oz.	46 in.
874962	4962-0000	Captain Navy Regimental	60 yd.	9 oz.	46 in.
874833	4756-0000	Cavalier Colonial	60 yd.	9 oz.	46 in.
874834	4758-0000	Cavalier Raven	60 yd.	9 oz.	46 in.
874854	4854-0000	Coastal / Herbal	60 yd.	9 oz.	46 in.
874851	4851-0000	Coastal / Spa	60 yd.	9 oz.	46 in.
874818	4818-0000	Cordell Redwood	60 yd.	9 oz.	46 in.
874836	4760-0000	Crestview Mushroom	60 yd.	9 oz.	46 in.
874835	4759-0000	Crestview Oak	60 yd.	9 oz.	46 in.
874837	4761-0000	Crestview Seaglass	60 yd.	9 oz.	46 in.
874691	4691-0000	Deep Sea	60 yd.	9 oz.	46 in.
874960	4960-0000	Fern Graduated Stripe	60 yd.	9 oz.	46 in.
874963	4963-0000	Forest Green Regimental	60 yd.	9 oz.	46 in.
874828	4828-0000	Granville Mahogany	60 yd.	9 oz.	46 in.
874827	4827-0000	Granville Paprika	60 yd.	9 oz.	46 in.
874826	4826-0000	Granville Tinsel	60 yd.	9 oz.	46 in.
874754	4754-0000	Green Fancy	60 yd.	9 oz.	46 in.
874973	4973-0000	Hartwell / Fiesta	60 yd.	9 oz.	46 in.
874705	4705-0000	Hemlock Tweed Formal	60 yd.	9 oz.	46 in.
874971	4971-0000	Lankford / Woodland	60 yd.	9 oz.	46 in.
874881	4881-0000	Moreland Chestnut	60 yd.	9 oz.	46 in.
874880	4880-0000	Moreland Taupe	60 yd.	9 oz.	46 in.
874692	4692-0000	Palm	60 yd.	9 oz.	46 in.
874693	4693-0000	Pink	60 yd.	9 oz.	46 in.

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## Sunbrella® Clarity

For awnings that are difficult to access for regular cleaning, look no further than Sunbrella Clarity, an innovative awning fabric with low-maintenance attributes. Sunbrella Clarity features technology that works in two ways to help maintain a “like new” appearance. The first is a photoactive ingredient fueled by UV light even on cloudy days or in moderate shade. This action creates a natural cleaning mechanism that decomposes organic material such as volatile organic compounds (VOCs), grime, oils, mold and mildew.

The second part of the cleaning process is a hydrophilic or moisture spreading component that allows the surface of the fabric to wet out, washing away particles of inorganic matter on the surface. The fabric temporarily darkens, but returns to its original color after drying. Sunbrella Clarity features a coating that prevents water from penetrating through the awning.

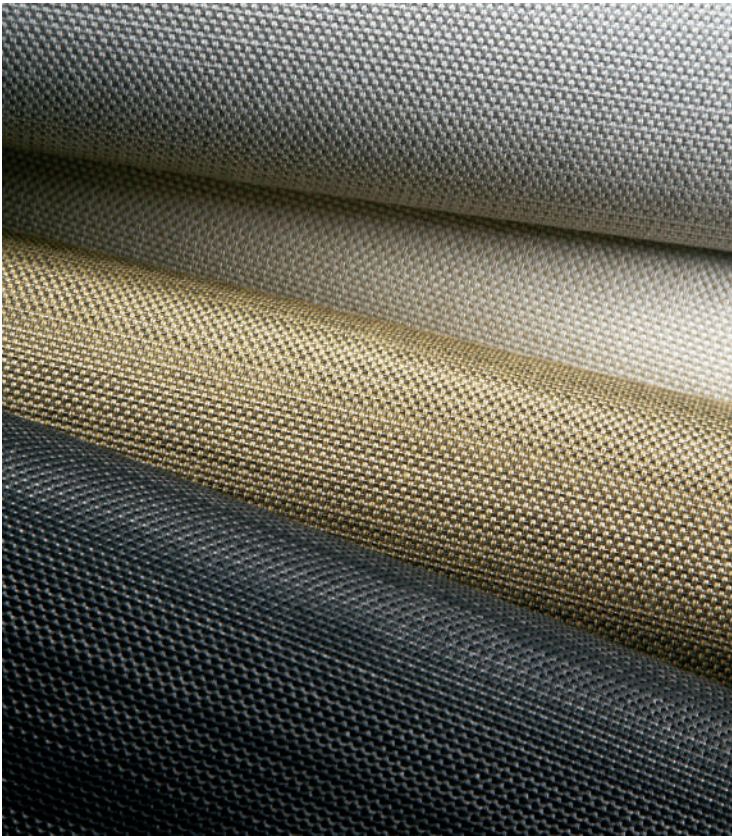
Suggested uses: fixed awnings, window awnings, umbrellas, canopies.

Fabric	Sunbrella Acrylic
FR Standards Met	California Technical Bulletin 117-2013 Class 1
Warranty	5-Year

Item #	Style #	Color	Put Up	Weight	Width
892620	83020-0000	Beige	60 yd.	10 oz.	60 in.
892608	83008-0000	Black	60 yd.	10 oz.	60 in.
892631	83031-0000	Burgundy	60 yd.	10 oz.	60 in.
892630	83030-0000	Cadet Grey	60 yd.	10 oz.	60 in.
892646	83046-0000	Captain Navy	60 yd.	10 oz.	60 in.
892644	83044-0000	Charcoal Grey	60 yd.	10 oz.	60 in.
892637	83037-0000	Forest Green	60 yd.	10 oz.	60 in.
892603	83003-0000	Jockey Red	60 yd.	10 oz.	60 in.
892633	83033-0000	Linen	60 yd.	10 oz.	60 in.
892601	83001-0000	Pacific Blue	60 yd.	10 oz.	60 in.
892617	83017-0000	Royal Blue Tweed	60 yd.	10 oz.	60 in.
892645	83045-0000	Seagrass	60 yd.	10 oz.	60 in.
892602	83002-0000	Sunflower	60 yd.	10 oz.	60 in.
892648	83048-0000	Taupe	60 yd.	10 oz.	60 in.
892622	83022-0000	Terracotta	60 yd.	10 oz.	60 in.
892628	83028-0000	Toast	60 yd.	10 oz.	60 in.
892658	83058-0000	Tresco Brass	60 yd.	10 oz.	60 in.
892677	83077-0000	Tuscan	60 yd.	10 oz.	60 in.

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## Sunbrella® Alloy

Sunbrella specialty shade product Alloy is a contemporary shade fabric featuring a metallic look with a unique shimmer. This streamlined product offers a soft hand and is available in eight colorways.

Note: Solvent-based cleaners such as acetone, liquid fuels, paint thinners, mineral spirits and turpentine cannot be applied to Sunbrella Shade fabrics that contain PVC. Such solutions may accelerate the aging and degradation of the fabric.

Suggested uses: retractable awnings, fixed awnings, window awnings, umbrellas, RV awnings.

Fabric	11.4% Sunbrella Acrylic, 63.9% PVC, 24.7% Polyester
FR Standards Met	California Technical Bulletin 117-2013 Class 1
Warranty	5-Year

Item #	Style #	Color	Put Up	Weight	Width
875412	4401-0002	Alloy Bronze	45 yd.	15 oz.	60 in.
875414	4401-0004	Alloy Dune	45 yd.	15 oz.	60 in.
875417	4401-0007	Alloy Jungle	45 yd.	15 oz.	60 in.
875416	4401-0006	Alloy Midnight	45 yd.	15 oz.	60 in.
875411	4401-0001	Alloy Silver	45 yd.	15 oz.	60 in.
875413	4401-0003	Alloy Steel	45 yd.	15 oz.	60 in.
875415	4401-0005	Alloy Stratus	45 yd.	15 oz.	60 in.
875410	4401-0000	Alloy Vapor	45 yd.	15 oz.	60 in.

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## Sunbrella® Awning Jacquards

Sunbrella Awning Jacquards are a specialty shade product available from Sunbrella for upscale, highly decorative applications.

Suggested uses: retractable awnings, fixed awnings, window awnings, umbrellas, RV awnings.

Fabric	Sunbrella Acrylic
Finish	Water Repellent
FR Standards Met	California Technical Bulletin 117-2013 Class 1
Warranty	5-Year

Item #	Style #	Color	Put Up	Weight	Width
722251	4410-0001	Avenues Daytime	60 yd.	10.3 oz.	54 in.
722253	4410-0002	Avenues Midnight	60 yd.	10.3 oz.	54 in.
722254	4411-0001	Cirrus Dove	60 yd.	10.8 oz.	54 in.
722255	4411-0002	Cirrus Sand	60 yd.	10.8 oz.	54 in.
875400	4400-0000	Fundamental Charcoal	60 yd.	10 oz.	54 in.
875401	4400-0001	Fundamental Sand	60 yd.	10 oz.	54 in.

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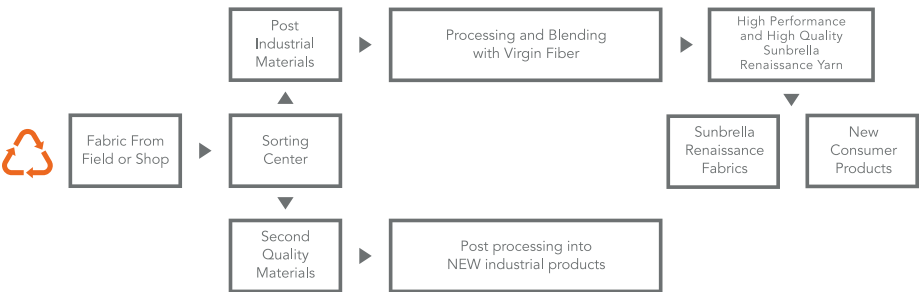
## Sunbrella® Unity

Renaissance fabrics were born from two objectives: creating beautiful vintage upholstery fabrics and recycling post-industrial fabric waste. Unity is the first Sunbrella Renaissance awning fabric. Crafted specifically for shade applications where subtle texture and distinctive detail creates a timeless charm, Unity is ideal for any awning.

Suggested uses: retractable awnings, fixed awnings, window awnings, umbrellas, RV awnings.

Fabric	Sunbrella Acrylic
Finish	Water Repellent
Warranty	5-Year

Item #	Style #	Color	Put Up	Weight	Width
727500	85000-0000	Unity Ashe	60 yd.	12 oz.	60 in.
727502	85002-0000	Unity Char	60 yd.	12 oz.	60 in.
727504	85004-0000	Unity Garnet	60 yd.	12 oz.	60 in.
727501	85001-0000	Unity Granite	60 yd.	12 oz.	60 in.
727503	85003-0000	Unity Leaf	60 yd.	12 oz.	60 in.



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## SGS Thermal Digital Print Film

SGS Thermal Digital Print Film is a flexible, urethane film which can be digitally printed and applied to Sunbrella® or other Glen Raven fabrics. For use with the Sunbrella Graphics System, it produces high-quality, durable graphics. The adhesive is thermal activated, dry to the touch at low temperatures, and will remain dry to the touch once cooled. The film can reduce the application time by 75% when compared to other pressure-sensitive films. It can also be used unprinted for white lettering or graphics where printing is not required. SGS Thermal Digital Print Film is suitable for use in most solvent, eco-solvent, and UV printers. Sold in full rolls only.

Suggested uses: awnings, banners, umbrellas, covers.

Item #	Style #	Put Up	Width
901676	1676-0000	25.153 yd.	30 in.
901678	1678-0000	25.153 yd.	60 in.

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## Dickson® North American Collection Solids

The Dickson North American collection offers timeless style and high performance. Choose from a vast selection of water-repellent, mildew-resistant fabrics in solid shades. Its special finish delays the formation and buildup of dirt. This fabric is colorfast, durable, and heat sealable. Dickson awning fabrics play a pivotal role in outdoor decorating.

Suggested uses: retractable awnings, fixed awnings, window awnings, umbrellas, RV awnings.

<b>Fabric</b>	100% Solution Dyed Acrylic
<b>Finish</b>	Water Repellent
<b>Warranty</b>	10-Year

Item #	Style #	Color	Put Up	Weight	Width
895896	U136	Alabaster Tweed	65 yd.	8.55 oz.	47 in.
895104	7244	Amande (Avocado)	65 yd.	8.55 oz.	47 in.
895909	U388	Azure	65 yd.	8.55 oz.	47 in.
895895	U095	Basalt Chiné	65 yd.	8.55 oz.	47 in.
895894	8902	Beige	65 yd.	8.55 oz.	47 in.
895899	U189	Beige Tweed	65 yd.	8.55 oz.	47 in.
895170	6028	Black	65 yd.	8.55 oz.	47 in.
895208	U224	Brownie	65 yd.	8.55 oz.	47 in.
895206	8206	Burgundy	65 yd.	8.55 oz.	47 in.
895171	U171	Carbon	65 yd.	8.55 oz.	47 in.
895916	U411	Carmine	65 yd.	8.55 oz.	47 in.
895137	7554	Cassis	65 yd.	8.55 oz.	47 in.
895910	U389	Chalk Tweed	65 yd.	8.55 oz.	47 in.
895891	7330	Charcoal Tweed	65 yd.	8.55 oz.	47 in.

Item #	Style #	Color	Put Up	Weight	Width
895908	U387	Clay	65 yd.	8.55 oz.	47 in.
895207	8238	Deep Navy	65 yd.	8.55 oz.	47 in.
895135	0681	Dune	65 yd.	8.55 oz.	47 in.
895902	U321	Fern	65 yd.	8.55 oz.	47 in.
895062	U104	Flanelle Gray	65 yd.	8.55 oz.	47 in.
895220	6687	Forest Green	65 yd.	8.55 oz.	47 in.
895898	U140	Gazelle Tweed	65 yd.	8.55 oz.	47 in.
895061	U105	Gold	65 yd.	8.55 oz.	47 in.
895175	6088	Gray	65 yd.	8.55 oz.	47 in.
895900	U190	Grey Tweed	65 yd.	8.55 oz.	47 in.
895903	U335	Gypsum	65 yd.	8.55 oz.	47 in.
895893	8779	Heather Chiné	65 yd.	8.55 oz.	47 in.
895918	U414	Honey	65 yd.	8.55 oz.	47 in.
895920	U417	Larch	65 yd.	8.55 oz.	47 in.
895063	8396	Lead Chine	65 yd.	8.55 oz.	47 in.
895060	8904	Linen	65 yd.	8.55 oz.	47 in.
895907	U373	Macadam Tweed	65 yd.	8.55 oz.	47 in.
895919	U415	Maize	65 yd.	8.55 oz.	47 in.
895914	U409	Marble	65 yd.	8.55 oz.	47 in.
895897	U137	Mink Tweed	65 yd.	8.55 oz.	47 in.
895915	U410	Mocha	65 yd.	8.55 oz.	47 in.
895103	7133	Natural	65 yd.	8.55 oz.	47 in.
895160	6022	Navy Blue	65 yd.	8.55 oz.	47 in.
895107	7264	Ocean Blue	65 yd.	8.55 oz.	47 in.
895221	0853	Olive	65 yd.	8.55 oz.	47 in.
895115	0018	Orange	65 yd.	8.55 oz.	47 in.
895906	U370	Papyrus	65 yd.	8.55 oz.	47 in.
895202	3914	Paris Red	65 yd.	8.55 oz.	47 in.
895892	7972	Pearl	65 yd.	8.55 oz.	47 in.
895905	U343	Pepper	65 yd.	8.55 oz.	47 in.
895127	7552	Pewter	65 yd.	8.55 oz.	47 in.
895912	U407	Platinum	65 yd.	8.55 oz.	47 in.
895917	U413	Pumpkin	65 yd.	8.55 oz.	47 in.
895155	6020	Raw	65 yd.	8.55 oz.	47 in.
895117	7548	Raw Tweed / Beige	65 yd.	8.55 oz.	47 in.
895120	0020	Red	65 yd.	8.55 oz.	47 in.
895110	0017	Royal Blue	65 yd.	8.55 oz.	47 in.
895226	8203	Slate	65 yd.	8.55 oz.	47 in.
895911	U406	Steel	65 yd.	8.55 oz.	47 in.
895203	6196	Stone	65 yd.	8.55 oz.	47 in.
895904	U337	Suede	65 yd.	8.55 oz.	47 in.
895152	7559	Taupe	65 yd.	8.55 oz.	47 in.
895901	U235	Thatch	65 yd.	8.55 oz.	47 in.
895913	U408	Titanium	65 yd.	8.55 oz.	47 in.
895101	0001	White	65 yd.	8.55 oz.	47 in.
895190	6316	Yellow	65 yd.	8.55 oz.	47 in.

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# Dickson® North American Collection Stripes

The Dickson North American collection delivers high style and performance. Featuring a classic stripe design, the awning fabric is resistant to water and mildew. Its unique coating inhibits the growth and buildup of dirt. This fabric is durable, colorfast, and heat sealable. Dickson fabrics play a central role in outdoor décor.

Suggested uses: retractable awnings, fixed awnings, window awnings, umbrellas, RV awnings.

Fabric	100% Solution Dyed Acrylic
Finish	Water Repellent
Warranty	10-Year

Item #	Style #	Color	Put Up	Weight	Width
895931	6275	Baden Green	65 yd.	8.55 oz.	47 in.
897630	8630	Boston Lime / Mint (Genoa)	65 yd.	8.55 oz.	47 in.
895816	7466	Chicago (Casablanca)	65 yd.	8.55 oz.	47 in.
895985	D330	Color Block Black	65 yd.	8.55 oz.	47 in.
895986	D331	Color Block Blue	65 yd.	8.55 oz.	47 in.
895989	D334	Color Block Brown	65 yd.	8.55 oz.	47 in.
895987	D332	Color Block Orange	65 yd.	8.55 oz.	47 in.
895990	D335	Color Block Red	65 yd.	8.55 oz.	47 in.
895988	D333	Color Block Yellow	65 yd.	8.55 oz.	47 in.
895982	D327	Craft Blue	65 yd.	8.55 oz.	47 in.
895983	D328	Craft Grey	65 yd.	8.55 oz.	47 in.
895984	D329	Craft Red	65 yd.	8.55 oz.	47 in.
895420	6173	Davos Natural / Linen / Burgundy	65 yd.	8.55 oz.	47 in.
897814	8614	Hardelot Green	65 yd.	8.55 oz.	47 in.

Item #	Style #	Color	Put Up	Weight	Width
897612	8612	Hardelot Linen / Mustard / Cream	65 yd.	8.55 oz.	47 in.
895875	8935	Hardelot Tan / Beige / Natural	65 yd.	8.55 oz.	47 in.
895930	6228	Hossegor Blue	65 yd.	8.55 oz.	47 in.
895932	6276	Jackson Brown	65 yd.	8.55 oz.	47 in.
895755	D103	Manosque Beige	65 yd.	8.55 oz.	47 in.
895758	D108	Manosque Dark Grey	65 yd.	8.55 oz.	47 in.
895745	D104	Manosque Green	65 yd.	8.55 oz.	47 in.
895975	D309	Manosque Grey	65 yd.	8.55 oz.	47 in.
895964	D107	Manosque Yellow	65 yd.	8.55 oz.	47 in.
895974	D308	Naples Dark Grey	65 yd.	8.55 oz.	47 in.
895759	D113	Naples Grey	65 yd.	8.55 oz.	47 in.
895971	D305	Naples Heather	65 yd.	8.55 oz.	47 in.
895972	D306	Naples Hemp	65 yd.	8.55 oz.	47 in.
895970	D304	Naples Light Grey	65 yd.	8.55 oz.	47 in.
895973	D307	Naples Linen	65 yd.	8.55 oz.	47 in.
895934	7351	Oslo Red	65 yd.	8.55 oz.	47 in.
895254	8907	Paris Cadet Grey / Natural	65 yd.	8.55 oz.	47 in.
895251	8553	Paris Lemon Yellow / Natural	65 yd.	8.55 oz.	47 in.
895861	8556	Paris Navy / Natural	65 yd.	8.55 oz.	47 in.
895960	8557	Paris Rouge Red / Natural	65 yd.	8.55 oz.	47 in.
895981	D324	Pencil Beige	65 yd.	8.55 oz.	47 in.
895979	D321	Pencil Blue	65 yd.	8.55 oz.	47 in.
895977	D319	Pencil Dark Grey	65 yd.	8.55 oz.	47 in.
895980	D322	Pencil Green	65 yd.	8.55 oz.	47 in.
895978	D320	Pencil Grey	65 yd.	8.55 oz.	47 in.
895691	7124	Pompadour Red / White / Black	65 yd.	8.55 oz.	47 in.
895935	D339	Rome Blue	65 yd.	8.55 oz.	47 in.
895976	D315	Rome Brown	65 yd.	8.55 oz.	47 in.
895963	D100	Sienne Beige	65 yd.	8.55 oz.	47 in.
895864	8931	Sienne Dark Gray / Light Gray Wide Stripe	65 yd.	8.55 oz.	47 in.
896111	8211	Sienne Red / Linen	65 yd.	8.55 oz.	47 in.
895933	7130	Venezia Blue	65 yd.	8.55 oz.	47 in.
895969	D301	Wide Chiné Beige	65 yd.	8.55 oz.	47 in.
895967	D298	Wide Chiné Grey	65 yd.	8.55 oz.	47 in.
895968	D300	Wide Chiné Yellow	65 yd.	8.55 oz.	47 in.
895766	6272	Windsor Red	65 yd.	8.55 oz.	47 in.
895510	6292	Windsor Yellow / White / Blue / Gray	65 yd.	8.55 oz.	47 in.

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## Dickson® North American Collection Jacquards

The Dickson North American collection includes a vast selection of water-repellent, mildew-resistant solid fabrics. Its special finish delays the formation and accumulation of dirt. This fabric is colorfast and durable.

Suggested uses: retractable awnings, fixed awnings, window awnings, umbrellas, RV awnings.

Fabric	100% Solution Dyed Acrylic
Finish	Water Repellent
Warranty	10-Year

Item #	Style #	Color	Put Up	Weight	Width
895992	J169	Brush Beige	65 yd.	8.55 oz.	47 in.
895995	J172	Brush Carbon	65 yd.	8.55 oz.	47 in.
895994	J171	Brush Grey	65 yd.	8.55 oz.	47 in.
895993	J170	Brush Hemp	65 yd.	8.55 oz.	47 in.
895998	J179	Constellation Beige	65 yd.	8.55 oz.	47 in.
895999	J180	Constellation Blue	65 yd.	8.55 oz.	47 in.
895996	J177	Constellation Curry	65 yd.	8.55 oz.	47 in.
895997	J178	Constellation Grey	65 yd.	8.55 oz.	47 in.
895991	J062	Pebble Grey	65 yd.	8.55 oz.	47 in.

Dickson® is a trademark of Glen Raven, Inc.



IMAGE COURTESY OF VICTORY AWNING

## Firesist®

Specifically designed for the commercial awning, canopy and shade markets, FIRESIST delivers a state-of-the-art combination of flame retardant performance and UV resistance.

FIRESIST fabric is woven from high UV and fade resistant solution dyed fiber with a proprietary coating and finish that results in superior weather, stain, mildew and flame resistance.

Extremely strong and tear resistant, FIRESIST is engineered for ease of fabrication, and features a lighter weight. FIRESIST's deep, rich colors deliver long lasting good looks and are color transfer resistant.

Fabric	Solution Dyed Polyester
FR Standards Met	California State Fire Marshal Title 19; NFPA 701-99, test method II; CPAI-84; Tent walls and roof; FMVSS 302; FAA 25.853 (Aviation); UFAC Upholstered Furniture, Class 1 ULCS-109
Warranty	5-Year

Item #	Style #	Color	Put Up	Weight	Width
888510	82010-0000	Admiral Navy	60 yd.	8.75 oz.	60 in.
888508	82008-0000	Black	60 yd.	8.75 oz.	60 in.
888516	82016-0000	Burgundy	60 yd.	8.75 oz.	60 in.
888533	82023-0000	Cedar	60 yd.	8.75 oz.	60 in.
888517	82017-0000	Crimson Red	60 yd.	8.75 oz.	60 in.
888532	82022-0000	Flannel	60 yd.	8.75 oz.	60 in.
888534	82030-0000	Fog	60 yd.	8.75 oz.	60 in.
888503	82003-0000	Forest Green	60 yd.	8.75 oz.	60 in.
888530	82030-0000	Grey	60 yd.	8.75 oz.	60 in.
888515	82015-0000	Ivory	60 yd.	8.75 oz.	60 in.
888531	82021-0000	Redwood	60 yd.	8.75 oz.	60 in.
888500	82000-0000	Regatta	60 yd.	8.75 oz.	60 in.
888506	82006-0000	Sand	60 yd.	8.75 oz.	60 in.
888513	82013-0000	Sunburst Yellow	60 yd.	8.75 oz.	60 in.
888514	82014-0000	Terra Cotta	60 yd.	8.75 oz.	60 in.
888512	82012-0000	Toasty Beige	60 yd.	8.75 oz.	60 in.

Firesist® is a registered trademark of Glen Raven, Inc.





Webblon® Coastline Plus®

Coastline Plus awning fabric is a high performance PVC composite. It features a strong polyester base fabric, with manageable weight for excellent dimensional stability. The top surface is treated with the Rain Kleen® finish for color retention and prolonged fabric life. Coastline Plus is UV, water and mildew resistant. It is also heat-sealable for a strong, waterproof and airtight seal, and it accepts a variety of graphics including pressure sensitive graphics.

Fabric	Vinyl Polyester Composite
Finish	Vinyl Laminated, Kid-Embossed, Rain Kleen®
FR Standards Met	California State Fire Marshal Title 19, NFPA 701 ASTM E84-81A Flame Spread Rating Class A (15)
Warranty	5-Year

Item #	Style #	Color	Put Up	Weight	Width
857897	CP-2797	Almond	50 yd.	15 oz.	62 in.
857244	CP-2744	Aquamarine	50 yd.	15 oz.	62 in.
857225	CP-2725	Barque Brown	50 yd.	15 oz.	62 in.
857241	CP-2741	Bay Blue	50 yd.	15 oz.	62 in.
857206	CP-2706	Beacon Yellow	50 yd.	15 oz.	62 in.
857892	CP-2792	Beige	50 yd.	15 oz.	62 in.
857215	CP-2715	Burgundy	50 yd.	15 oz.	62 in.
857218	CP-2718	Charcoal Gray	50 yd.	15 oz.	62 in.
857205	CP-2705	Cork Brown	50 yd.	15 oz.	62 in.
857891	CP-2791	Dark Taupe	50 yd.	15 oz.	62 in.
857226	CP-2726	Deep Red	50 yd.	15 oz.	62 in.
857212	CP-2712	Deepsea Blue	50 yd.	15 oz.	62 in.
857219	CP-2719	Driftwood Gray	50 yd.	15 oz.	62 in.

Item #	Style #	Color	Put Up	Weight	Width
857238	CP-2738	Ebbtide Tan	50 yd.	15 oz.	62 in.
857211	CP-2711	Glade Green	50 yd.	15 oz.	62 in.
857217	CP-2717	Gull Gray	50 yd.	15 oz.	62 in.
857201	CP-2701	Harbor Green	50 yd.	15 oz.	62 in.
857204	CP-2704	Island Turquoise	50 yd.	15 oz.	62 in.
857239	CP-2739	Ivory Coast	50 yd.	15 oz.	62 in.
857234	CP-2734	Jade	50 yd.	15 oz.	62 in.
857247	CP-2747	Navy Blue	50 yd.	15 oz.	62 in.
857246	CP-2746	Ocean Blue	50 yd.	15 oz.	62 in.
857223	CP-2723	Panama Purple	50 yd.	15 oz.	62 in.
857245	CP-2745	Pirate Black	50 yd.	15 oz.	62 in.
857207	CP-2707	Portlight Red	50 yd.	15 oz.	62 in.
857209	CP-2709	Rust	50 yd.	15 oz.	62 in.
857290	CP-2790	Sail White	50 yd.	15 oz.	62 in.
857200	CP-2700	Sand	50 yd.	15 oz.	62 in.
857202	CP-2702	Sea Palm	50 yd.	15 oz.	62 in.
857233	CP-2733	Shell Pink	50 yd.	15 oz.	62 in.
857230	CP-2730	Sunrise Saffron	50 yd.	15 oz.	62 in.
857213	CP-2713	Sunset Orange	50 yd.	15 oz.	62 in.
857243	CP-2743	Teal	50 yd.	15 oz.	62 in.
857896	CP-2796	Terra Cotta	50 yd.	15 oz.	62 in.
857242	CP-2742	Tropic Green	50 yd.	15 oz.	62 in.

Webblon®, Coastline Plus® and Rain Kleen® are registered trademarks of Herculite Products Inc.

## Weblon® Coastline Plus® Duplex

Coastline Plus Duplex are a selection of popular solid color topsides with complementing solid color underside.

<b>Fabric</b>	Vinyl Polyester Composite
<b>Finish</b>	Vinyl Laminated, Kid-Embossed, Rain Kleen®
<b>FR Standards Met</b>	California State Fire Marshal Title 19, NFPA 701 ASTM E84-81A Flame Spread Rating Class A (15)
<b>Warranty</b>	5-Year

Item #	Style #	Color	Put Up	Weight	Width
857250	CP-2750	Cork Brown / Sand	50 yd.	15 oz.	62 in.
857251	CP-2751	Glade Green / White	50 yd.	15 oz.	62 in.
857252	CP-2752	Rust / Ivory	50 yd.	15 oz.	62 in.

Weblon®, Coastline Plus® and Rain Kleen® are registered trademarks of Herculite Products Inc.

## Weblon® Coastline Plus® Continental Stripes

Coastline Plus Linen Back fabrics feature a colorful solid top side all decked out with a linen print underside.

Weight varies slightly from color to color. Weight and roll size nominal. Their values are subject to slight variation and are not intended to be used as specifications.

<b>Fabric</b>	Vinyl Polyester Composite
<b>Finish</b>	Vinyl Laminated, Kid-Embossed, Rain Kleen®
<b>FR Standards Met</b>	California State Fire Marshal Title 19, NFPA 701 ASTM E84-81A Flame Spread Rating Class A (15)
<b>Warranty</b>	5-Year

Item #	Style #	Color	Put Up	Weight	Width
857287	CP-2887	Rust / Dark Brown	50 yd.	15 oz.	62 in.
857282	CP-2882	Sand / Olive on Ivory	50 yd.	15 oz.	62 in.

Weblon®, Coastline Plus® and Rain Kleen® are registered trademarks of Herculite Products Inc.

## Weblon® Coastline Plus® Traditional Stripes

Coastline Plus Traditional Stripes are classic four-bar stripes, in plenty of rich two-color combinations with solid undersides.

Weight varies slightly from color to color. Weight and roll size nominal. Their values are subject to slight variation and are not intended to be used as specifications.

<b>Fabric</b>	Vinyl Polyester Composite
<b>Finish</b>	Vinyl Laminated, Kid-Embossed, Rain Kleen®
<b>FR Standards Met</b>	California State Fire Marshal Title 19, NFPA 701 ASTM E84-81A Flame Spread Rating Class A (15)
<b>Warranty</b>	5-Year

Item #	Style #	Color	Put Up	Weight	Width
857273	CP-2773	Brite Red / White	50 yd.	15 oz.	62 in.
857275	CP-2775	Cork and Sand / Sand	50 yd.	15 oz.	62 in.
857272	CP-2772	Deep Sea Blue / White	50 yd.	15 oz.	62 in.
857261	CP-2761	Glade Green and White / White	50 yd.	15 oz.	62 in.
857270	CP-2770	Pirate Black and White / White	50 yd.	15 oz.	62 in.
857274	CP-2774	Turquoise and White / Turquoise	50 yd.	15 oz.	62 in.

Weblon®, Coastline Plus® and Rain Kleen® are registered trademarks of Herculite Products Inc.

## Weblon® Coastline Plus® Linen Back

Coastline Plus Linen Back fabrics feature a colorful solid top side all decked out with a linen print underside.

Weight varies slightly from color to color. Weight and roll size nominal. Their values are subject to slight variation and are not intended to be used as specifications.

<b>Fabric</b>	Vinyl Polyester Composite
<b>Finish</b>	Vinyl Laminated, Kid-Embossed, Rain Kleen®
<b>FR Standards Met</b>	California State Fire Marshal Title 19, NFPA 701 ASTM E84-81A Flame Spread Rating Class A (15)
<b>Warranty</b>	5-Year

Item #	Style #	Color	Put Up	Weight	Width
857156	CP-2856	Silver / Silver	50 yd.	15 oz.	62 in.

Weblon®, Coastline Plus® and Rain Kleen® are registered trademarks of Herculite Products Inc.

Patio 500®

Patio 500 has exceptional resistance to mildew and UV rays making this waterproof fabric the perfect choice for awnings, canopies and commercial installations in sunny, high humidity areas. Made with wick and craze resistant polyester weft-inserted warp knit scrim, Patio 500 has a matte, linen-like finish that combines long-lasting good looks with exceptional dimensional stability and superior strength. It accepts graphics including heat-sealed and inset fabrics, silk screening, hand painting, appliqué and more. Pressure sensitive adhesive vinyl graphics are not recommended.

Fabric	Vinyl Laminated Polyester
FR Standards Met	California State Fire Marshal F-86501; NFPA 701; ASTM E84, Class A
Warranty	5-Year (excluding pattern 513 Clear)



Item #	Style #	Color	Put Up	Weight	Width
858539	539	Bay Blue	50 yd.	17.5 oz.	61 in.
858522	522	Beige	50 yd.	17.5 oz.	61 in.
858508	508	Black	50 yd.	17.5 oz.	61 in.
858529	529	Bright Red	50 yd.	17.5 oz.	61 in.
858516	516	Brown	50 yd.	17.5 oz.	61 in.
858515	515	Buff	50 yd.	17.5 oz.	61 in.
858527	527	Burgundy	50 yd.	17.5 oz.	61 in.
858537	537	Champagne	50 yd.	17.5 oz.	61 in.
858513	513	Clear	50 yd.	17.5 oz.	61 in.
858536	536	Cobalt Blue	50 yd.	17.5 oz.	61 in.
858510	510	Dark Green	50 yd.	17.5 oz.	61 in.
858541	541	Designer White	50 yd.	17.5 oz.	61 in.
858518	518	Dusky Blue	50 yd.	17.5 oz.	61 in.
858524	524	Eggshell	50 yd.	17.5 oz.	61 in.
858562	562	Emerald	50 yd.	17.5 oz.	61 in.
858525	525	English Brown	50 yd.	17.5 oz.	61 in.
858567	567	Jade	50 yd.	17.5 oz.	61 in.
858514	514	Lime Green	50 yd.	17.5 oz.	61 in.
858538	538	Parchment	50 yd.	17.5 oz.	61 in.
858528	528	Pewter	50 yd.	17.5 oz.	61 in.
858565	565	Reef Blue	50 yd.	17.5 oz.	61 in.
858503	503	Royal Blue	50 yd.	17.5 oz.	61 in.
858545	545	Ruby	50 yd.	17.5 oz.	61 in.
858506	506	Slate Gray	50 yd.	17.5 oz.	61 in.
858543	543	Spruce	50 yd.	17.5 oz.	61 in.
858570	570	Summer Ivy	50 yd.	17.5 oz.	61 in.
858566	566	Sunflower	50 yd.	17.5 oz.	61 in.
858564	564	Teal	50 yd.	17.5 oz.	61 in.
858526	526	Terra Cotta	50 yd.	17.5 oz.	61 in.
858540	540	Timber	50 yd.	17.5 oz.	61 in.
858523	523	White	50 yd.	17.5 oz.	61 in.

Patio 500® is a registered trademark of Herculite Products Inc.





## Weblon® Vanguard®

Built to last, and backed by an eight-year manufacturer’s limited warranty. Vanguard is wick-resistant and reinforced with ultra-high strength 1000-denier polyester. 10-mil thick vinyl ply on the weatherside increases the life of any awning installation. Rain Kleen® surface treatments prolongs fabric life and preserves color intensity. Superior water, mildew and ultraviolet resistance. Dimensionally stable and compatible with a variety of graphic applications (including pressure sensitive graphics).

Fabric	Wick-Resistant Polyester
Finish	Vinyl Laminated, Kid-Embossed, Clear Rain Kleen® Top Coat
FR Standards Met	California State Fire Marshal Title 19, NFPA 701 ASTM E84-81A Flame Spread Rating Class A (15)
Warranty	8-Year

Item #	Style #	Color	Put Up	Weight	Width
857997	2997	Almond	50 yd.	17 oz.	62 in.
857945	2945	Black	50 yd.	17 oz.	62 in.
857915	2915	Burgundy	50 yd.	17 oz.	62 in.
857926	2926	Deep Red	50 yd.	17 oz.	62 in.
857912	2912	Deepsea Blue	50 yd.	17 oz.	62 in.
857988	2988	Designer White	50 yd.	17 oz.	62 in.
857919	2919	Driftwood Gray	50 yd.	17 oz.	62 in.
857911	2911	Glade Green	50 yd.	17 oz.	62 in.
857939	2939	Ivory	50 yd.	17 oz.	62 in.
857946	2946	Ocean Blue	50 yd.	17 oz.	62 in.
857909	2909	Rust	50 yd.	17 oz.	62 in.
857900	2900	Sand	50 yd.	17 oz.	62 in.
857938	2938	Tan	50 yd.	17 oz.	62 in.

## Herculite® Natura™

The new and improved Herculite Natura Awning Fabric features a softer hand, a tighter weave and a commercially identical face/back surface. The fabric is waterproof, weather-tight and highly flame resistant. Perfect for commercial awnings and canopies designed to protect people and furnishings from the sun’s harsh UV rays while providing a natural fabric design element. Dimensionally stable, Natura is digitally printable and heat and RF sealable.

Fabric	100% Vinyl Composite Supported by a Polyester Substrate
FR Standards Met	California State Fire Marshal Title 19; NFPA 701; ASTM E84
Warranty	8-Year

Item #	Style #	Color	Put Up	Weight	Width
807764	NT7739	Antique White	50 yd.	18 oz.	60 in.
807760	NT7709	Barrel Tile	50 yd.	18 oz.	60 in.
807765	NT7745	Black	50 yd.	18 oz.	60 in.
807763	NT7738	Burlywood	50 yd.	18 oz.	60 in.
807768	NT7718	Charcoal Gray	50 yd.	18 oz.	60 in.
807767	NT7788	Digital White	50 yd.	18 oz.	60 in.
807761	NT7711	Evergreen	50 yd.	18 oz.	60 in.
807769	NT7701	Harbor Green	50 yd.	18 oz.	60 in.
807762	NT7712	Midnight Blue	50 yd.	18 oz.	60 in.
807766	NT7747	Navy	50 yd.	18 oz.	60 in.

Natura™ is a trademark of Herculite Products Inc. Herculite® is a registered trademark of Herculite Products Inc.

Weblon®, Vanguard® and Rain Kleen® are registered trademarks of Herculite Products Inc.



IMAGE COURTESY OF INTERNATIONAL TENSION STRUCTURES

## Serge Ferrari Soltis® Proof 502 (Soltis® Précontraint® 502 Satin)

Soltis Proof 502 has been a staple in shade for over 25 years. The durable fabric offers dimensional stability, UV resistance, heat and weather protection, and color retention. Soltis Proof 502 offers an attractive satin finish and a PVDF topcoat on both sides for long-term dirt resistance and easy cleaning.

Available with a 10-year warranty on fixed framed awnings and canopies (static applications). Backed by a 5-year warranty for tents, tensile structures, and retractable awnings (non-static applications).

Suggested uses: awnings, canopies, shade sails, light structures, frame awnings, pergolas, entrance canopies.

<b>Fabric</b>	High-Tenacity Polyester
<b>Finish</b>	PVDF Topcoat On Both Sides
<b>FR Standards Met</b>	California State Fire Marshal Title 19; Method 1/ NFPA 701; Class A ASTM E-84
<b>Warranty</b>	10-Year

Item #	Style #	Color	Put Up	Weight	Width
878411	502V2-2157C	Aniseed	43.745 yd.	16.7 oz.	70.9 in.
878438	502V2-8450C	Black	43.745 yd.	16.7 oz.	70.9 in.
878418	502V2-2171C	Boulder	43.745 yd.	16.7 oz.	70.9 in.
878436	502V2-8284C	Burgundy	43.745 yd.	16.7 oz.	70.9 in.
878415	502V2-2166C	Buttercup	43.745 yd.	16.7 oz.	70.9 in.
878406	502V2-2141C	Camel	43.745 yd.	16.7 oz.	70.9 in.

Item #	Style #	Color	Put Up	Weight	Width
878419	502V2-2172C	Carrot	43.745 yd.	16.7 oz.	70.9 in.
878429	502V2-50675C	Celadon	43.745 yd.	16.7 oz.	70.9 in.
878426	502V2-50672C	Celestial Blue	43.745 yd.	16.7 oz.	70.9 in.
878437	502V2-8341C	Champagne	43.745 yd.	16.7 oz.	70.9 in.
878407	502V2-2148C	Cocoa	43.745 yd.	16.7 oz.	70.9 in.
878416	502V2-2167C	Concrete	43.745 yd.	16.7 oz.	70.9 in.
878427	502V2-50673C	Dark Blue	43.745 yd.	16.7 oz.	70.9 in.
878425	502V2-50671C	Dijon	43.745 yd.	16.7 oz.	70.9 in.
878420	502V2-50265C	Hemp	43.745 yd.	16.7 oz.	70.9 in.
878413	502V2-2160C	Lagoon	43.745 yd.	16.7 oz.	70.9 in.
878428	502V2-50674C	Lemon	43.745 yd.	16.7 oz.	70.9 in.
878400	502V2-1125C	Marine	43.745 yd.	16.7 oz.	70.9 in.
878417	502V2-2168C	Metallic Aluminum	43.745 yd.	16.7 oz.	70.9 in.
878405	502V2-2138C	Metallic Autumn	43.745 yd.	16.7 oz.	70.9 in.
878409	502V2-2152C	Metallic Velvet Red	43.745 yd.	16.7 oz.	70.9 in.
878414	502V2-2161C	Midnight Blue	43.745 yd.	16.7 oz.	70.9 in.
878412	502V2-2158C	Moss Green	43.745 yd.	16.7 oz.	70.9 in.
878422	502V2-50668C	Olive	43.745 yd.	16.7 oz.	70.9 in.
878434	502V2-8204C	Orange	43.745 yd.	16.7 oz.	70.9 in.
878401	502V2-2012C	Pepper	43 yd.	16.7 oz.	70.9 in.
878435	502V2-8255C	Poppy	43.745 yd.	16.7 oz.	70.9 in.
878424	502V2-50670C	Porcelain Green	43.745 yd.	16.7 oz.	70.9 in.
878408	502V2-2150C	Raspberry	43.745 yd.	16.7 oz.	70.9 in.
878403	502V2-2135C	Sandy Beige	43.745 yd.	16.7 oz.	70.9 in.
878410	502V2-2156C	Spruce	43.745 yd.	16.7 oz.	70.9 in.
878430	502V2-50676C	Steel Blue	43.745 yd.	16.7 oz.	70.9 in.
878423	502V2-50669C	Teak	43.745 yd.	16.7 oz.	70.9 in.
878432	502V2-8056C	Tennis Green	43.745 yd.	16.7 oz.	70.9 in.
878402	502V2-20185C	Terracotta	43.745 yd.	16.7 oz.	70.9 in.
878421	502V2-50270C	Thistle Blue	43.745 yd.	16.7 oz.	70.9 in.
878439	502V2-8861C	Vanilla	43.745 yd.	16.7 oz.	70.9 in.
878431	502V2-50677C	Victoria Blue	43.745 yd.	16.7 oz.	70.9 in.
878404	502V2-2137C	Walnut Stain	43.745 yd.	16.7 oz.	70.9 in.
878433	502V2-8102C	White	43.745 yd.	16.7 oz.	70.9 in.

Soltis® and Précontraint® are registered trademarks of The Serge Ferrari Group.





## Serge Ferrari Soltis® Proof Vivo

Soltis Proof Vivo is a high-performing, printable fabric that features a natural fiber design. Made of polyester, it provides high strength and flexibility. Structurally stable, Vivo resists stretching and tearing to keep graphics intact. 100% waterproof, the PVDF finish assures lasting resistance to dirt and UV rays.

GREENGUARD® certified, Phthalate-free, and compliant with current REACH regulations. 100% recyclable through the Serge Ferrari Texyloop® recycling network. Covered by an 8-year warranty.

Suggested uses: canopies, pergolas, open-air habitats, eco-lodges, small tents, lightweight tensioned structures.

Fabric	High Tenacity Polyester
Finish	Serge Ferrari Sign Varnish
FR Standards Met	California State Fire Marshal Title 19; NFPA 701; ASTM E84 Class A
Warranty	8-Year

Item #	Style #	Color	Put Up	Weight	Width
742280	20191	Beige	54.68 yd.	14.7 oz.	66.9 in.
742271	20007	Black	54.68 yd.	14.7 oz.	66.9 in.
742278	20186	Burgundy	54.68 yd.	14.7 oz.	66.9 in.
742284	50667	Caribbean Blue	54.68 yd.	14.7 oz.	66.9 in.
742281	20204	Chocolate	54.68 yd.	14.7 oz.	66.9 in.
742272	20024	Grey	54.68 yd.	14.7 oz.	66.9 in.
742279	20189	Navy	54.68 yd.	14.7 oz.	66.9 in.
742285	8255	Poppy Red	54.68 yd.	14.7 oz.	66.9 in.
742282	2156	Spruce	54.68 yd.	14.7 oz.	66.9 in.
742274	20165	Taupe	54.68 yd.	14.7 oz.	66.9 in.
742276	20184	Tennis Green	54.68 yd.	14.7 oz.	66.9 in.
742277		Terra Cotta	54.68 yd.	14.7 oz.	66.9 in.
742270	10387	Vanilla	54.68 yd.	14.7 oz.	66.9 in.
742275	20183	White	54.68 yd.	14.7 oz.	66.9 in.

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## Dickson® LAC 650 SL

Dickson LAC 650 SL fabrics are made from PVC coated polyester and look great even after long-term use because they are protected by the Lowick System, which blocks moisture penetration and resists UV degradation, mildew, discoloration and soiling.

The fabric also features the Cleangard® finish. This smooth lacquer topcoat offers protection against weathering. LAC 650 SL is easily welded and is REACH compliant.

Suggested uses: tents, awnings and structures where a stronger, heavier fabric is desired.

Fabric	High Tenacity Polyester (1100 dtex)
Finish	Cleangard® / PVC (System Lowick)
FR Standards Met	NFPA 701-10, Method 2; California Title 19
Warranty	5-Year

Item #	Style #	Color	Put Up	Weight	Width
968416	7309	Blueberry	65 yd.	20 oz.	58.5 in.
968422	7462	Bone	65 yd.	20 oz.	58.5 in.
968414	887	Brown	65 yd.	20 oz.	58.5 in.
968418	7409	Desert	65 yd.	20 oz.	58.5 in.
968410	567	Emerald	65 yd.	20 oz.	58.5 in.
968415	995	Green	65 yd.	20 oz.	58.5 in.
968419	7419	Gun Metal	65 yd.	20 oz.	58.5 in.
968421	7458	Ivory	65 yd.	20 oz.	58.5 in.
968411	654	Misty Grey	65 yd.	20 oz.	58.5 in.
968424	7456	Mustard	65 yd.	20 oz.	58.5 in.
968412	810	Onyx	65 yd.	20 oz.	58.5 in.
968413	867	Radiant White	65 yd.	20 oz.	58.5 in.
968423	7507	Red	65 yd.	20 oz.	58.5 in.
968417	7379	Steel	65 yd.	20 oz.	58.5 in.
968420	7426	Wine	65 yd.	20 oz.	58.5 in.

Dickson® and Cleangard® are trademarks of Glen Raven, Inc.



## Dickson® Arcade FR

Dickson Arcade FR fabrics are made from PVC coated polyester and look great even after long-term use because they are protected by the Lowick System, which blocks moisture penetration and resists UV degradation, mildew, discoloration and soiling.

The fabric also features the Cleangard® finish. This smooth lacquer topcoat offers protection against weathering . Arcade FR is easily welded and is REACH compliant. Sold in full rolls only.

Suggested uses: tents, awnings and structures where a lighter fabric is desired.

Fabric	High Tenacity Polyester (550 dtex)
Finish	Cleangard® / PVC (System Lowick)
FR Standards Met	NFPA 701-10, Method 2; California Title 19; CAN/ULC-S109
Warranty	5-Year

Item #	Style #	Color	Put Up	Weight	Width
968447	7450	Arctic Blue	65 yd.	15 oz.	59 in.
968446	941	Blue	65 yd.	15 oz.	59 in.
968436	7309	Blueberry	65 yd.	15 oz.	59 in.
968442	7462	Bone	65 yd.	15 oz.	59 in.
968435	995	Green	65 yd.	15 oz.	59 in.
968439	7419	Gun Metal	65 yd.	15 oz.	59 in.
968441	7458	Ivory	65 yd.	15 oz.	59 in.
968431	654	Misty Grey	65 yd.	15 oz.	59 in.
968444	7456	Mustard	65 yd.	15 oz.	59 in.
968432	810	Onyx	65 yd.	15 oz.	59 in.
968500	867	Radiant White	33 yd.	15 oz.	118 in.
968433	867	Radiant White	65 yd.	15 oz.	59 in.
968443	7507	Red	y d.	15 oz.	59 in.
968437	7379	Steel	65 yd.	15 oz.	59 in.
968445	7534	Taupe	65 yd.	15 oz.	59 in.
968440	7426	Wine	65 yd.	15 oz.	59 in.

Dickson® and Cleangard® are trademarks of Glen Raven, Inc.





## Weathertyte® Plus

Designed for a variety of awning and sign applications, Weathertyte is a weatherproof material with the look and feel of textured decorative fabric. This high-performance composite vinyl substrate is flame-resistant, easy to handle and highly durable.

Weathertyte is ideal for a variety of awning and canopy applications including restaurant, hospitality, retail, business and residential. It is optimized for use with Solvent, UV, and Latex printers. Weathertyte is easy to clean, and resists stains and mildew.

Fabric	Polyester
Finish	Vinyl/Acrylic
FR Standards Met	California State Fire Marshal Title 19; ASTM E84; NFPA 701;
Warranty	8-Year

Item #	Style #	Color	Put Up	Weight	Width
840001	WT-74BK	Black	50 yd.	16 oz.	74 in.
840002	WT-74BL	Blue	50 yd.	16 oz.	74 in.
840003	WT-74BU	Burgundy	50 yd.	16 oz.	74 in.
840004	WT-74CHR	Charcoal	50 yd.	16 oz.	74 in.
840005	WT-74BWN	Chocolate Brown	50 yd.	16 oz.	74 in.
840006	WT-74DBL	Dark Blue	50 yd.	16 oz.	74 in.
840007	WT-74DRD	Dark Red	50 yd.	16 oz.	74 in.
840008	WT-74FGR	Forest Green	50 yd.	16 oz.	74 in.
840009	WT-74GR	Green	50 yd.	16 oz.	74 in.
840010	WT-74LN	Linen	50 yd.	16 oz.	74 in.
840011	WT-74RD	Red	50 yd.	16 oz.	74 in.
840012	WT-74SF	Sunflower	50 yd.	16 oz.	74 in.
840013	WT-74TRC	Terracotta	50 yd.	16 oz.	74 in.
840014	WT-74WT	White	50 yd.	16 oz.	74 in.

Weathertyte® is a registered trademark of the Cooley Group.



## Weathertyte® Plus Lite

Designed for a variety of awning and sign applications, Weathertyte is a weatherproof material with the look and feel of textured decorative fabric. This high-performance composite vinyl substrate is flame-resistant, easy to handle and highly durable.

Weathertyte is ideal for a variety of awning and canopy applications including restaurant, hospitality, retail, business and residential. It is optimized for use with Solvent, UV, and Latex printers. Weathertyte is easy to clean, and resists stains and mildew.

Fabric	Polyester
Finish	Vinyl/Acrylic
FR Standards Met	California State Fire Marshal Title 19; ASTM E84; NFPA 701;
Warranty	5-Year

Item #	Style #	Color	Put Up	Weight	Width
839980	WTL74-DSBLK	Black / Black	50 yd.	11 oz.	74 in.
839981	WTL74-DSBLU	Blue / Blue	50 yd.	11 oz.	74 in.
839982	WTL74-DSBUR	Burgundy / Burgundy	50 yd.	11 oz.	74 in.
839983	WTL74-DSDRD	Dark Red / Dark Red	50 yd.	11 oz.	74 in.
839984	WTL74-DSFGR	Forest Green / Forest Green	50 yd.	11 oz.	74 in.
839986	WTL74-DSLIN	Linen / Linen	50 yd.	11 oz.	74 in.

FABRIC AWNING

Item #	Style #	Color	Put Up	Weight	Width
839985	WTL74-DSWHT	White / White	50 yd.	11 oz.	74 in.

Weatherlyte® is a registered trademark of the Cooley Group.

ShadeCast™

ShadeCast is a coated polyester fabric that meets the strict FR requirements of the state of California. ShadeCast comes in four rich colors and is wider than industry standards. ShadeCast is also light weight and strong. This fabric is put up on three-inch cores for use with digital printing equipment. ShadeCast accepts most forms of digital inks and allows for vibrant digital imagery. ShadeCast is flexible and easy to fabricate. This product can be used in the manufacturing of fixed and temporary canopies, awnings, stage back drops, industrial covers, banners and more.

FR Standards Met	California State Fire Marshal Title 19; CPAI-84
Warranty	3-Year

Item #	Color	Put Up	Weight	Width
775723	Black	75 yd.	8.1 oz.	64 in.
775725	Blue	75 yd.	8.1 oz.	64 in.
775724	Sandpiper	75 yd.	8.1 oz.	64 in.
775722	White	75 yd.	8.1 oz.	64 in.
775726	White / Black	75 yd.	8.1 oz.	64 in.

ShadeCast™ is a trademark of Glen Raven, Inc.

Main Street® +

Main Street + is ideal for awnings and canopies because it won't stretch, leak or fade even after years of exposure. This versatile fabric features a smooth surface for even greater looks and resistance to dirt build-up. It offers superior strength and resistance to water, mildew, ultraviolet rays and abrasion for many applications, indoors and out. Main Street + is easy to fabricate without puckering or fraying. It readily accepts graphics including sewn-in inset fabrics, screen-printing and hand painting.

Fabric	Polyester
Finish	Acrylic Coated Both Sides
FR Standards Met	California State Fire Marshal; NFPA 701, Test Method 2; ASTM E84
Warranty	5-Year

Item #	Style #	Color	Put Up	Weight	Width
808264	214MS+	Black	50 yd.	9 oz.	61 in.
808281	236MS+	Brown	50 yd.	9 oz.	61 in.
808280	235MS+	Cool Grey	50 yd.	9 oz.	61 in.
808260	210MS+	Cranberry	50 yd.	9 oz.	61 in.
808277	227MS+	Dark Linen	50 yd.	9 oz.	61 in.
808274	224MS+	Navy	50 yd.	9 oz.	61 in.
808282	237MS+	Olive	50 yd.	9 oz.	61 in.
808275	225MS+	Terra Cotta	50 yd.	9 oz.	61 in.

Item #	Style #	Color	Put Up	Weight	Width
808261	211MS+	Toast	50 yd.	9 oz.	61 in.
808265	215MS+	White	50 yd.	9 oz.	61 in.

Main Street® is a registered trademark of Glen Raven, Inc.

Starfire®

A tough and long-lasting, yet soft and flexible fabric, Starfire can be used for a variety of applications including awnings, banners, outdoor umbrellas and tents. Finished with an acrylic topcoat, Starfire is easy to clean and resists fading, rotting and structural weakening from prolonged exposure to the sun and other damaging elements. Starfire is also water, soil and mildew resistant. This fabric is easy to handle and install. Starfire is often specified where a cloth-like appearance is desired.

Fabric	45% Polyester/55% Cotton
Finish	Pigmented and Acrylic Top coated
FR Standards Met	California State Fire Marshal; NFPA 701 Test Method 2; ASTM E84

Item #	Style #	Color	Put Up	Weight	Width
855722	722	Black	45 yd.	15 oz.	60 in.
855702	702	Bone White	45 yd.	15 oz.	60 in.
855720	720	Brown	45 yd.	15 oz.	60 in.
855708	708	Eggshell	45 yd.	15 oz.	60 in.
855701	701	Emerald Green	45 yd.	15 oz.	60 in.
855703	703	Forest Green	45 yd.	15 oz.	60 in.
855788	788	Khaki	45 yd.	15 oz.	60 in.
855719	719	Off White	45 yd.	15 oz.	60 in.
855753	753	Pearl Gray	45 yd.	15 oz.	60 in.
855707	707	Red	45 yd.	15 oz.	60 in.
855712	712	Royal Blue	45 yd.	15 oz.	60 in.
855749	749	Tan	45 yd.	15 oz.	60 in.
855713	713	Tangerine	45 yd.	15 oz.	60 in.
855704	704	Teal Blue	45 yd.	15 oz.	60 in.
855714	714	Terra Cotta	45 yd.	15 oz.	60 in.
855717	717	White	45 yd.	15 oz.	60 in.

Starfire® is a registered trademark of Glen Raven, Inc.





## Nite-Lite®

Made from wick and craze resistant polyester scrim, Nite-Lite is an exceptional back-lit fabric that features vivid colors with a translucent white underside for spectacular illumination. An acrylic top coat makes this fabric easier to clean and extends its life by enhancing its resistance to UV, rot, mildew, stains and dirt. This durable fabric accepts pressure sensitive graphics as well as sewn-in and heat sealed inset fabrics, silk-screening and hand painting.

Fabric	Vinyl Laminated Polyester
Finish	Acrylic Top Coat
FR Standards Met	California State Fire Marshal Title 19; NFPA 701 Test Method 2
Warranty	8-Year

Item #	Style #	Color	Put Up	Weight	Width
812608	2608	Black	40 yd.	16 oz.	61 in.
812631	2631	Bordeaux	40 yd.	16 oz.	61 in.
812675	2675	Dark Blue	40 yd.	16 oz.	61 in.
812637	2637	Forest Green	40 yd.	16 oz.	61 in.
812600	2600	Green	40 yd.	16 oz.	61 in.
812601	2601	Marine Blue	40 yd.	16 oz.	61 in.
812676	2676	Mid Red	40 yd.	16 oz.	61 in.
812603	2603	Red	40 yd.	16 oz.	61 in.
812628	2628	Tan	40 yd.	16 oz.	61 in.
812604	2604	White	40 yd.	16 oz.	61 in.
812602	2602	Yellow	40 yd.	16 oz.	61 in.

Nite-Lite® is a registered trademark of Glen Raven, Inc.

## Cool Glo™ / Northstar®

Distributed exclusively by Trivantage®, Cool Glo/NorthStar is designed specifically for back-lit awnings and signs. It features the same color on the face and back of the fabric, creating a warm, soothing glow beneath an awning or sign. Provides maximum brilliance and consistent translucency. Highly resistant to ultraviolet light, mildew, rot and water and has strong resilience to fade, weather, scuff and abrasion. Exhibits excellent tensile and tear strength. Compatible with a variety of graphics applications, including paint, heat transfer and screen printing.

Fabric	Woven Polyester
Finish	Vinyl Coated
ORDER AT TRIVANTAGE.COM OR CALL 1-800-786-1876	

FR Standards Met	California State Fire Marshal Title 19; NFPA 701
Warranty	5-Year

Item #	Style #	Color	Put Up	Weight	Width
850949	CE1749	Black	40 yd.	13 oz.	61 in.
850921	CE1701	Blue	40 yd.	13 oz.	61 in.
850951	CE1751	Hot Pink	40 yd.	13 oz.	61 in.
850942	CE1742	Ivory	40 yd.	13 oz.	61 in.
850938	CE1738	Kelly Green	40 yd.	13 oz.	61 in.
850925	CE1705	Orange	40 yd.	13 oz.	61 in.
850936	CE1736	Red	40 yd.	13 oz.	61 in.
850950	CE1750	White	40 yd.	13 oz.	61 in.
850960	CE1790	Winterberry	40 yd.	13 oz.	61 in.
850930	CE1730	Yellow	40 yd.	13 oz.	61 in.

Cool Glo™ is a trademark of Glen Raven, Inc. Northstar® and Trivantage® are registered trademarks of Glen Raven, Inc.



## Eradi-Lite®

Eradi-Lite is a flexible and anti-crazing eradicable backlit awning and sign fabric made of a lightweight vinyl-laminated polyester fabric with an acrylic topcoat. The fabric features a unique blend of plasticizers and elastomers, which make the material resistant to plasticizer migration and staining or abrasion, while still remaining highly flexible.

Use ONLY Trivantage® eradication solution for eradicating Eradi-Lite. DO NOT use any solvents to eradicate. Solvents will leave behind residual solvents that will harm the vinyl surface and cause premature yellowing when exposed to the elements. If solvents are used to eradicate, the warranty will be VOIDED.

Fabric	Vinyl Laminated Polyester
Finish	Eradicable Coating
FR Standards Met	California State Fire Marshal Title 19, Section 1237; NFPA 701, Test Method 2
Warranty	8-Year (5-Year U.S. Desert Southwest)

Item #	Style #	Color	Put Up	Weight	Width
853828	2728	Black	30 yd.	17 oz.	78 in.
853814	2714	Burgundy	30 yd.	17 oz.	78 in.
853806	2706	Dark Blue	30 yd.	17 oz.	78 in.

Item #	Style #	Color	Put Up	Weight	Width
853822	2722	Forest Green	30 yd.	17 oz.	78 in.
853820	2720	Green	30 yd.	17 oz.	78 in.
853804	2704	Mid Blue	30 yd.	17 oz.	78 in.
853810	2710	Mid Red	30 yd.	17 oz.	78 in.
853851	2751	Orange	30 yd.	17 oz.	78 in.
853812	2712	Red	30 yd.	17 oz.	78 in.
853854	2754	Reflex Blue	30 yd.	17 oz.	78 in.
853800	2700	White	30 yd.	17 oz.	78 in.
853824	2724	Yellow	30 yd.	17 oz.	78 in.

Eradi-Lite® and Trivantage® are registered trademarks of Glen Raven, Inc.



## Cooley-Brite®

Engineered for high color brilliance and translucency in back-lit signs or awnings. Cooley-Brite provides the fastest, most economical method of sign and awning decoration. Accommodates numerous other graphics applications, including pressure-sensitive vinyls, heat transfer, screen printing and spray painting. Highly durable and easily cleaned.

<b>Fabric</b>	Extrusion Coated PVC
<b>Finish</b>	Eradicable Ink Top Surface
<b>FR Standards Met</b>	ASTM E84 (Class A); California State Fire Marshal; NFPA 701; UL Listed
<b>Warranty</b>	8-Year

Item #	Style #	Color	Put Up	Weight	Width
853006	2025	Black	25 yd.	20 oz.	78 in.
853023	0132	Bright Red	25 yd.	20 oz.	78 in.
853005	2020	Burgundy	25 yd.	20 oz.	78 in.
853009	2114	Dark Blue	25 yd.	20 oz.	78 in.
853012	2283A	Dark Red	25 yd.	20 oz.	78 in.
853018	4048	Forest Green	25 yd.	20 oz.	78 in.
853008	2108A	Green	25 yd.	20 oz.	78 in.
853011	2146A	Ivory	25 yd.	20 oz.	78 in.
853013	2648	Light Blue	25 yd.	20 oz.	78 in.

Item #	Style #	Color	Put Up	Weight	Width
853019	0355A	Light Green	25 yd.	20 oz.	78 in.
853014	2662A	Light Red	25 yd.	20 oz.	78 in.
853015	0301	Mid-Blue	25 yd.	20 oz.	78 in.
853010	2119A	Orange	25 yd.	20 oz.	78 in.
853017	0219A	Pink	25 yd.	20 oz.	78 in.
853021	0248	Plum	25 yd.	20 oz.	78 in.
853024	5025	Reflex Blue	25 yd.	20 oz.	78 in.
853022	0123A	Sunflower	25 yd.	20 oz.	78 in.
853016	5019	Teal	25 yd.	20 oz.	78 in.
853004	0606	White	25 yd.	20 oz.	78 in.
853007	2037A	Yellow	25 yd.	20 oz.	78 in.

Cooley-Brite® is a registered trademark of Cooley, Inc.



## Cooley-Brite® II with Coolthane® EPS

All of the high color brilliance and unique graphics capabilities of Cooley-Brite are also available with a clear Coolthane® Enhanced Protection System top coating for extended life and easy cleaning. It's highly resistant to mildew and UV rays.

<b>Fabric</b>	Extrusion Coated PVC
<b>Finish</b>	Coolthane® EPS with Eradicable Ink Top Surface
<b>FR Standards Met</b>	ASTM E84 (Class A); California State Fire Marshal; NFPA 701; UL Listed
<b>Warranty</b>	10-Year

Item #	Style #	Color	Put Up	Weight	Width
853106	C2025	Black	25 yd.	20 oz.	78 in.
853105	C2020	Burgundy	25 yd.	20 oz.	78 in.
853109	C2114	Dark Blue	25 yd.	20 oz.	78 in.
853112	C2283A	Dark Red	25 yd.	20 oz.	78 in.
853118	C4048	Forest Green	25 yd.	20 oz.	78 in.
853113	C2648	Light Blue	25 yd.	20 oz.	78 in.
853119	C0355A	Light Green	25 yd.	20 oz.	78 in.
853114	C2662A	Light Red	25 yd.	20 oz.	78 in.
853115	C0301	Mid-Blue	25 yd.	20 oz.	78 in.



Item #	Style #	Color	Put Up	Weight	Width
853140	79-7002	Night Shade Brown	50 yd.	20 oz.	78 in.
853110	C2119A	Orange	25 yd.	20 oz.	78 in.
853141	79-2307	Startling Orange	50 yd.	20 oz.	78 in.
853116	C5019	Teal	25 yd.	20 oz.	78 in.
853107	C2037A	Yellow	25 yd.	20 oz.	78 in.

Cooley-Brite® and Coolthane® are registered trademarks of Cooley, Inc.



## Cooley-Brite® Lite

Flexible, yet durable, Cooley-Brite Lite is a lightweight, vinyl coated polyester fabric that features excellent translucency in any back-lit sign or awning application. This line of white and eradicable colored substrates is easy to handle and simple to install. Cooley-Brite Lite suits a wide range of graphic applications, including screen printing, pressure-sensitive graphics, and spray painting with acrylic-based paint. Its advanced scrim design enhances graphic effects to provide superior quality and luminescent colors. A more resilient ink surface helps prevent fabric bruising.

Fabric	Extrusion Coated PVC
Finish	Eradicable Ink Top Surface
FR Standards Met	ASTM E84 (Class A); California State Fire Marshal; NFPA 701; UL Listed
Warranty	8-Year

Item #	Style #	Color	Put Up	Weight	Width
853310	CBL10	Black	25 yd.	16 oz.	78 in.
853302	CBL2	Bright Red	25 yd.	16 oz.	78 in.
853322	CBL22	Burgundy	25 yd.	16 oz.	78 in.
853301	CBL1	Cherry Red	25 yd.	16 oz.	78 in.
853307	CBL7	Emerald Green	25 yd.	16 oz.	78 in.
853324	CBL21	Holly Green	25 yd.	16 oz.	78 in.
853316	CBL16	Intense Blue	25 yd.	16 oz.	78 in.
853304	CBL4	Lemon Yellow	25 yd.	16 oz.	78 in.
853305	CBL5	Navy Blue	25 yd.	16 oz.	78 in.
853315	CBL15	Petro Green	25 yd.	16 oz.	78 in.
853311	CBL11	Plum	25 yd.	16 oz.	78 in.
853319	CBL19	Raspberry	25 yd.	16 oz.	78 in.
853306	CBL6	Royal Blue	25 yd.	16 oz.	78 in.
853318	CBL18	Ruby Red	25 yd.	16 oz.	78 in.
853323	CBL20	Sunflower Yellow	25 yd.	16 oz.	78 in.
853317	CBL17	Tangerine	25 yd.	16 oz.	78 in.
853313	CBL13	Teal	25 yd.	16 oz.	78 in.
853300	CBL0606	White	25 yd.	16 oz.	78 in.
853320	CBL	White (no topcoat)	25 yd.	16 oz.	78 in.

Cooley-Brite® is a registered trademark of Cooley, Inc.



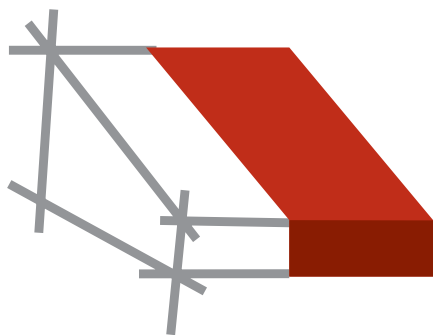
## Eradicating Fluid

This non-flammable eradicating solution works instantly to remove colored ink from back-lit fabrics like Eradi-Lite®. The process creates brilliant white graphics on a solid color background. To facilitate design, computer-generated graphics can be used.

The solution's gentle formula will not harm the substrate or underlying scrim. It is easy to apply, easy to work with, and cleanup is simple. The graphics stay bold because the fluid resists fading and yellowing. It pairs with many decorating techniques, giving you unlimited design possibilities.

Item #	Style #	Put Up
214339	7299	1 gal.

Eradi-Lite® is a trademark of Glen Raven, Inc.



# AWNING COMPOSER®

## A simple way to bring your vision to life

Instead of describing your customer's awning, **show them**. Take a picture of your customer's home or storefront then choose from over 40 dynamic objects, including corners. Once you've built your scene, add visual options to your awning; select fabric, a valance, text or graphics.

Let your customer see how an awning will impact their home or workplace by using our real-time shade simulation. Use their building location, time of year and direction to pin point exactly where their shade will be cast.

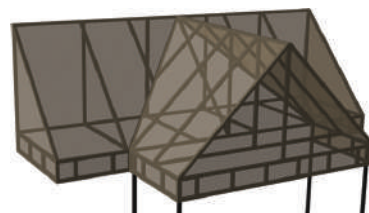
Awning Composer version 5 is built from the ground up, incorporating ideas and feedback from hundreds of fabrications.

**To learn more about what Awning Composer can do for you and to try the full version of the software for 15 days, visit [awningcomposer.com](http://awningcomposer.com)**

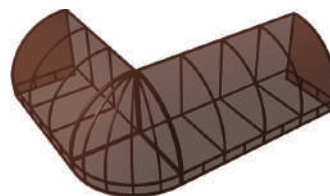
## Additional Features

- Customize the shade structure or awning with different fabric patterns, valance styles, graphics and text.
- Scale backdrops using a known measurement from the building such as the height of a door.
- Dynamically generate entire 3D models, including both fabric and frame components.
- Take standard awning styles and make adjustments to the frame quickly.
- Create cutlists that can be color coded and numbered to match the frame.
- Quickly generate estimates for materials needed, materials cost, labor needed, and labor costs.
- Create custom multi-page printouts. Create layouts for sales visuals, production, estimation, and quoting.

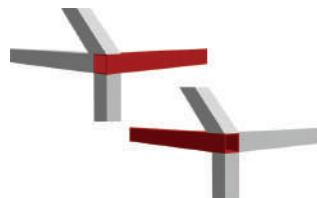
## Dynamic Objects



Start with standard combination style awnings and quickly customize spacing and add poles.



Easily create inside and outside corner awnings by adding awning segments together.



Set your preferences for master bars by using a drop down box to select master bar by location.



Add trussing by using a drop down box to select the type of truss needed.



## Before & After



## Estimation Add-on (Sold Separately)

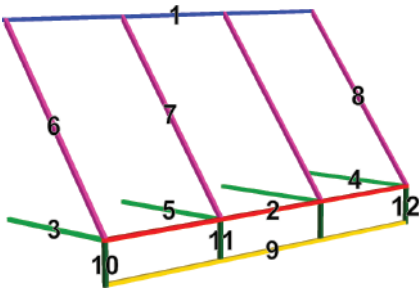
Awning Composer's Estimation add-on brings new functionality to Awning Composer by adding the ability to estimate the amount of materials, labor time, cost of production, and retail price. Working directly with your live rendering, estimation results are updated continuously as you build and customize awnings in the 3D view.

### Estimation Features:

- Extensive estimation support for 20+ dynamic awning styles plus associated corners
- An instant default quote layout
- Ability to quote more than one dynamic object in the same scene
- New printing features including the ability to build multi-page layouts

QUOTE			
More Shade, LLC 112 North Park Ave. Burlington, NC 27217 Phone: 888-555-1212 Fax: 800-555-1212 Email: info@moreshade.com		Quote date: 7/30/2018 Quote number: 2017-11-109 Expiration date: Customer name: Joe Smith Street address 1: 1234 Main Street Street address 2: City, State, Zip: Burlington, NC 27217 Phone: 336-555-1212 Cell: Fax: Email:	
Salesperson	Job Description	Payment Terms	Due Date
Bob Jones	Main St. Awning	50% deposit, balance on installation	7/15/2016
Qty	Style	Description	Price
1	Open Traditional	Open Traditional awning with frame and fabric. Dimensions: 9'(W) x 4'(H) x 3'(D), Sign band height: 10" Options: vertical top fabric, sign band joined with top fabric	\$826.84
			Total price \$826.84 Total installed price \$826.84
Shade Sails and Awnings Since 1981			

## Cut List



#	Name	Qty	Length	M1	M2
	<b>Open Traditional</b>	<b>1</b>			
1	Top bar	1	9'		
2	Front bar	1	9'		
3	Left end out bar	1	2' 11"		
4	Right end out bar	1	2' 11"		
5	Intermediate out bar	2	2' 11"		
6	Left end rafter	1	4' 10 5/8"	53.4°	36.6°
7	Intermediate rafter	2	4' 10 5/8"	53.4°	36.6°
8	Right end rafter	1	4' 10 5/8"	53.4°	36.6°
9	SB front bar	1	8' 10"		
10	SB front left support	1	10"		
11	SB front support	2	9"		
12	SB front right support	1	10"		
	<b>TOTAL</b>	<b>15</b>	<b>61' 2 3/4"</b>		
	<b>LENGTHS</b>	<b>3</b>			

Frame	Fabric	Labor	Cost	Quote	BOM
Traditional					
Qty: 1					
Details					
Bill of materials					

Description	Qty	Units	Item #	
Extrusion/tubing (frame)	8	lengths		<input type="checkbox"/>
Solid rod (lacing bar)	2	lengths		<input type="checkbox"/>
Grommets	64	each		<input type="checkbox"/>
Sunbrella 60" Hemlock Tweed [6005]	13.75	yards	721753	<input checked="" type="checkbox"/>
Braid #4015 Natural [503016]	12.75	yards	503016	<input checked="" type="checkbox"/>
DOT Self-Piercing Rolled Rim Grommet with Spur Washer #2 Brass 7/16"	64	each	233741	<input checked="" type="checkbox"/>
Z Bracket Zinc Plated 1" Small	20	each	107604	<input checked="" type="checkbox"/>
Gore Tenara TR Thread #M1000KTR-L5 Size 92 Clear 8 oz.	1	each	553090	<input checked="" type="checkbox"/>
Awning Molding #555 Aluminum 90 Degree 20'	20	feet	251068	<input checked="" type="checkbox"/>
Low-Density Polyethylene Tubing - 1/4" OD x 1/8" ID x 1000'	20	feet	578095	<input checked="" type="checkbox"/>

Add to cart at [trivantage.com](http://trivantage.com)





## Sunbrella® 2017-2019 Fusion Collection

Sunbrella Fusion is a highly decorative collection of performance fabrics. The line is a fusion of beauty and durability. Great for indoor and outdoor use, it allows for a worry-free lifestyle. Fusion offers a variety of colors and patterns. Classic basics and show-stopping jacquards allow for ultimate design possibilities. Distributed exclusively through Trivantage®.

Suggested uses: indoor and outdoor furniture, decorative pillows, cushions, curtains and drapes.

Fabric	Sunbrella Acrylic
Finish	Non-PFOA Water and Stain Repellent
FR Standards Met	California Technical Bulletin 117-2013 Class 1; NFPA 260:2013 Class 1; UFAC 1990 Flammability Class 1
Warranty	5-Year

Item #	Style #	Color	Put Up	Weight	Width
740887	44297-0001	Abbott Char	40-60 yd.	8.8 oz.	54 in.
740891	44297-0005	Abbott Juniper	40-60 yd.	8.8 oz.	54 in.
740890	44297-0004	Abbott Prep	40-60 yd.	8.8 oz.	54 in.
740889	44297-0003	Abbott Rust	40-60 yd.	8.8 oz.	54 in.
740888	44297-0002	Abbott Shadow	40-60 yd.	8.8 oz.	54 in.
740817	145147-0005	Agra Classic	40-60 yd.	11.5 oz.	54 in.

Item #	Style #	Color	Put Up	Weight	Width
740815	145147-0000	Agra Indigo	40-60 yd.	11.5 oz.	54 in.
740816	145147-0002	Agra Pebble	40-60 yd.	11.5 oz.	54 in.
729545	1357-0001	Beachcomber Dune	40-60 yd.	14.1 oz.	54 in.
740811	145098-0003	Bevel Smoke	40-60 yd.	11.5 oz.	54 in.
740254	45789-0000	Bingham Graphite	40-60 yd.	13.3 oz.	54 in.
740255	45789-0001	Bingham Lagoon	40-60 yd.	13.3 oz.	54 in.
740904	45893-0006	Boss Tweede II Celadon	40-60 yd.	12 oz.	54 in.
740910	45893-0025	Boss Tweede II Char	40-60 yd.	12 oz.	54 in.
740906	45893-0010	Boss Tweede II Chili	40-60 yd.	12 oz.	54 in.
740907	45893-0011	Boss Tweede II Denim	40-60 yd.	12 oz.	54 in.
740908	45893-0012	Boss Tweede II Indigo	40-60 yd.	12 oz.	54 in.
740905	45893-0008	Boss Tweede II Mink	40-60 yd.	12 oz.	54 in.
740902	45893-0004	Boss Tweede II Pebble	40-60 yd.	12 oz.	54 in.
740901	45893-0003	Boss Tweede II Salt	40-60 yd.	12 oz.	54 in.
740909	45893-0024	Boss Tweede II Stone	40-60 yd.	12 oz.	54 in.
740900	45893-0001	Boss Tweede II Storm	40-60 yd.	12 oz.	54 in.

Item #	Style #	Color	Put Up	Weight	Width
740903	45893-0005	Boss Tweede II Wren	40-60 yd.	12 oz.	54 in.
740839	40107-0019	Bubble Mariner	40-60 yd.	9.3 oz.	54 in.
740882	44296-0001	Chapman Char	40-60 yd.	8.8 oz.	54 in.
740886	44296-0005	Chapman Juniper	40-60 yd.	8.8 oz.	54 in.
740885	44296-0004	Chapman Prep	40-60 yd.	8.8 oz.	54 in.
740884	44296-0003	Chapman Rust	40-60 yd.	8.8 oz.	54 in.
740883	44296-0002	Chapman Shadow	40-60 yd.	8.8 oz.	54 in.
729356	45864-0002	Chartres Barley	40-60 yd.	12 oz.	54 in.
740895	45864-0049	Chartres Fawn	40-60 yd.	12 oz.	54 in.
740042	45864-0001	Chartres Flax	40-60 yd.	12 oz.	54 in.
740911	45864-0050	Chartres Graphite	40-60 yd.	12 oz.	54 in.
740041	45864-0000	Chartres Hemp	40-60 yd.	12 oz.	54 in.
740894	45864-0048	Chartres Malt	40-60 yd.	12 oz.	54 in.
740047	45864-0045	Chartres Mist	40-60 yd.	12 oz.	54 in.
740045	45864-0004	Chartres Pebble	40-60 yd.	12 oz.	54 in.
740893	45864-0019	Chartres Salt	40-60 yd.	12 oz.	54 in.
740896	45864-0051	Chartres Storm	40-60 yd.	12 oz.	54 in.
740044	45864-0003	Chartres Willow	40-60 yd.	12 oz.	54 in.
740046	45864-0014	Chartres Wisteria	40-60 yd.	12 oz.	54 in.
740819	145153-0004	Connection Guava	40-60 yd.	14.5 oz.	54 in.
740818	145153-0000	Connection Onyx	40-60 yd.	14.5 oz.	54 in.
740820	145153-0005	Connection Sand	40-60 yd.	14.5 oz.	54 in.
740048	45973-0001	Crazy Quilt Seaglass	40-60 yd.	12.8 oz.	54 in.
740881	44282-0020	Demo Cloud	40-60 yd.	7.8 oz.	54 in.
740880	44282-0018	Demo Denim	40-60 yd.	7.8 oz.	54 in.
740872	44282-0003	Demo Fog	40-60 yd.	7.8 oz.	54 in.
740874	44282-0005	Demo Graphite	40-60 yd.	7.8 oz.	54 in.
740879	44282-0017	Demo Indigo	40-60 yd.	7.8 oz.	54 in.
740878	44282-0011	Demo Jade	40-60 yd.	7.8 oz.	54 in.
740870	44282-0001	Demo Parchment	40-60 yd.	7.8 oz.	54 in.
740871	44282-0002	Demo Putty	40-60 yd.	7.8 oz.	54 in.
740869	44282-0000	Demo Salt	40-60 yd.	7.8 oz.	54 in.
740876	44282-0008	Demo Sparrow	40-60 yd.	7.8 oz.	54 in.
740873	44282-0004	Demo Stone	40-60 yd.	7.8 oz.	54 in.
740875	44282-0007	Demo Stucco	40-60 yd.	7.8 oz.	54 in.
740877	44282-0009	Demo Wren	40-60 yd.	7.8 oz.	54 in.
740842	40441-0005	Dip Dye Aloe	40-60 yd.	8.5 oz.	54 in.
740841	40441-0001	Dip Dye Chickadee	40-60 yd.	8.5 oz.	54 in.
740040	45345-0000	Extend Breeze	40-60 yd.	12 oz.	54 in.
740827	40014-0149	Flagship Alpaca	40-60 yd.	7.7 oz.	54 in.
740831	40014-0153	Flagship Cilantro	40-60 yd.	7.7 oz.	54 in.
740823	40014-0101	Flagship Eclipse	40-60 yd.	7.7 oz.	54 in.
740824	40014-0146	Flagship Flax	40-60 yd.	7.7 oz.	54 in.
740838	40014-0160	Flagship Guava	40-60 yd.	7.7 oz.	54 in.
740828	40014-0150	Flagship Hedge	40-60 yd.	7.7 oz.	54 in.
740826	40014-0148	Flagship Hemp	40-60 yd.	7.7 oz.	54 in.

Item #	Style #	Color	Put Up	Weight	Width
740832	40014-0154	Flagship Ivy	40-60 yd.	7.7 oz.	54 in.
740495	40014-0005	Flagship Pecan	40-60 yd.	7.7 oz.	54 in.
740014	40014-0039	Flagship Persimmon	40-60 yd.	7.7 oz.	54 in.
740829	40014-0151	Flagship Pewter	40-60 yd.	7.7 oz.	54 in.
740833	40014-0155	Flagship Reef	40-60 yd.	7.7 oz.	54 in.
740836	40014-0158	Flagship Rosewood	40-60 yd.	7.7 oz.	54 in.
740837	40014-0159	Flagship Rouge	40-60 yd.	7.7 oz.	54 in.
740830	40014-0152	Flagship Sage	40-60 yd.	7.7 oz.	54 in.
740015	40014-0065	Flagship Salt	40-60 yd.	7.7 oz.	54 in.
740825	40014-0147	Flagship Silver	40-60 yd.	7.7 oz.	54 in.
740538	40014-0038	Flagship Stone	40-60 yd.	7.7 oz.	54 in.
740834	40014-0156	Flagship Tide	40-60 yd.	7.7 oz.	54 in.
740835	40014-0157	Flagship Twilight	40-60 yd.	7.7 oz.	54 in.
740490	40014-0000	Flagship Vellum	40-60 yd.	7.7 oz.	54 in.
740565	40308-0001	Hampton Indigo	40-60 yd.	8.3 oz.	54 in.
740840	40308-0004	Hampton Stone	40-60 yd.	8.3 oz.	54 in.
740061	44240-0001	Houndstooth Ivory	40-60 yd.	9.9 oz.	54 in.
740063	44240-0004	Houndstooth Spark	40-60 yd.	9.9 oz.	54 in.
740062	44240-0003	Houndstooth Wren	40-60 yd.	9.9 oz.	54 in.
740661	45412-0001	Lanai Lagoon	40-60 yd.	12 oz.	54 in.
740822	145239-0000	Maritime Nautical	40-60 yd.	16.5 oz.	54 in.
740037	44216-0011	Meander Lilac	40-60 yd.	12.6 oz.	54 in.
740038	44216-0012	Meander Pebble	40-60 yd.	12.6 oz.	54 in.
740036	44216-0005	Meander Shamrock	40-60 yd.	12.6 oz.	54 in.
740039	44216-0013	Meander Wren	40-60 yd.	12.6 oz.	54 in.
740616	40061-0016	Meridian Air	40-60 yd.	7.1 oz.	54 in.
740059	40061-0059	Meridian Cameo	40-60 yd.	7.1 oz.	54 in.
740634	40061-0034	Meridian Charcoal	40-60 yd.	7.1 oz.	54 in.
740608	40061-0008	Meridian Coco	40-60 yd.	7.1 oz.	54 in.
740053	40061-0053	Meridian Flax	40-60 yd.	7.1 oz.	54 in.
740060	40061-0060	Meridian Grain	40-60 yd.	7.1 oz.	54 in.
740057	40061-0057	Meridian Meadow	40-60 yd.	7.1 oz.	54 in.
740056	40061-0056	Meridian Mist	40-60 yd.	7.1 oz.	54 in.
740054	40061-0054	Meridian Pewter	40-60 yd.	7.1 oz.	54 in.
740058	40061-0058	Meridian Rose	40-60 yd.	7.1 oz.	54 in.
740614	40061-0014	Meridian Twilight	40-60 yd.	7.1 oz.	54 in.
740055	40061-0055	Meridian Wisteria	40-60 yd.	7.1 oz.	54 in.
740607	40061-0007	Meridian Wren	40-60 yd.	7.1 oz.	54 in.
740810	1354-0006	Navigation Mariner	40-60 yd.	12.6 oz.	54 in.
740049	45984-0000	Paris Blush	40-60 yd.	12 oz.	54 in.
740051	45984-0004	Paris Lavender	40-60 yd.	12 oz.	54 in.
740052	45984-0005	Paris Mist	40-60 yd.	12 oz.	54 in.
740050	45984-0001	Paris Raffia	40-60 yd.	12 oz.	54 in.
740860	44157-0017	Posh Aqua	40-60 yd.	12.6 oz.	54 in.
740031	44157-0013	Posh Ash	40-60 yd.	12.6 oz.	54 in.
740033	44157-0021	Posh Charcoal	40-60 yd.	12.6 oz.	54 in.



Item #	Style #	Color	Put Up	Weight	Width
740859	44157-0016	Posh Coral	40-60 yd.	12.6 oz.	54 in.
740034	44157-0023	Posh Dove	40-60 yd.	12.6 oz.	54 in.
740858	44157-0014	Posh Lichen	40-60 yd.	12.6 oz.	54 in.
740021	44157-0002	Posh Lime	40-60 yd.	12.6 oz.	54 in.
740022	44157-0004	Posh Oat	40-60 yd.	12.6 oz.	54 in.
740019	44157-0000	Posh Parchment	40-60 yd.	12.6 oz.	54 in.
740032	44157-0018	Posh Salt	40-60 yd.	12.6 oz.	54 in.
740861	44157-0019	Posh Shamrock	40-60 yd.	12.6 oz.	54 in.
740035	44157-0024	Posh Shitake	40-60 yd.	12.6 oz.	54 in.
740234	42034-0004	Reel Parchment	40-60 yd.	10.5 oz.	54 in.
740230	42034-0000	Reel Slate	40-60 yd.	10.5 oz.	54 in.
740812	145114-0000	Rialto Ash	40-60 yd.	11.3 oz.	54 in.
740813	145114-0001	Rialto Mist	40-60 yd.	11.3 oz.	54 in.
740814	145114-0002	Rialto Moss	40-60 yd.	11.3 oz.	54 in.
740862	44193-0000	Rochelle Bleu	40-60 yd.	8.8 oz.	54 in.
740864	44193-0002	Rochelle Parchment	40-60 yd.	8.8 oz.	54 in.
740867	44193-0021	Rochelle Pebble	40-60 yd.	8.5 oz.	54 in.
740868	44193-0022	Rochelle Slate	40-60 yd.	8.5 oz.	54 in.
740863	44193-0001	Rochelle Spice	40-60 yd.	8.8 oz.	54 in.
740865	44193-0005	Rochelle Toffee	40-60 yd.	8.8 oz.	54 in.
740866	44193-0013	Rochelle White	40-60 yd.	8.8 oz.	54 in.
740897	45889-0007	Savvy Indigo	40-60 yd.	11.5 oz.	54 in.
740898	45889-0009	Savvy Onyx	40-60 yd.	11.5 oz.	54 in.
740899	45889-0010	Savvy Sangria	40-60 yd.	11.5 oz.	54 in.
740844	40465-0004	Scope Cape	40-60 yd.	7.5 oz.	54 in.
740845	40465-0005	Scope Foliage	40-60 yd.	7.5 oz.	54 in.
740843	40465-0000	Scope Vintage	40-60 yd.	7.5 oz.	54 in.
740854	42082-0011	Tailored Cherry	40-60 yd.	11.3 oz.	54 in.
740850	42082-0005	Tailored Coal	40-60 yd.	11.3 oz.	54 in.
740848	42082-0002	Tailored Fog	40-60 yd.	11.3 oz.	54 in.
740857	42082-0017	Tailored Indigo	40-60 yd.	11.3 oz.	54 in.
740856	42082-0016	Tailored Lagoon	40-60 yd.	11.3 oz.	54 in.
740851	42082-0006	Tailored Mink	40-60 yd.	11.3 oz.	54 in.
740847	42082-0001	Tailored Putty	40-60 yd.	11.3 oz.	54 in.
740849	42082-0004	Tailored Smoke	40-60 yd.	11.3 oz.	54 in.
740846	42082-0000	Tailored Snow	40-60 yd.	11.3 oz.	54 in.
740852	42082-0007	Tailored Taupe	40-60 yd.	11.3 oz.	54 in.
740855	42082-0013	Tailored Wisteria	40-60 yd.	11.3 oz.	54 in.
740853	42082-0009	Tailored Wren	40-60 yd.	11.3 oz.	54 in.
740821	145214-0000	Tropics Jungle	40-60 yd.	13.3 oz.	54 in.
741177	40332-0005	Viento Mercury	40-60 yd.	7.5 oz.	54 in.
741178	40332-0006	Viento Nautical	40-60 yd.	7.5 oz.	54 in.
741179	40332-0008	Viento Paprika	40-60 yd.	7.5 oz.	54 in.
741180	47072-0004	Zara Moroccan	40-60 yd.	14.9 oz.	54 in.



## Sunbrella® Brush Fringe

This stylish brush fringe is made from genuine Sunbrella yarns. The colors and blends are specifically selected to complement our Fusion Collection as well as other Sunbrella upholstery collections.

3-yard minimum for cut yardage.

Suggested uses: marine and patio throw pillows, decorative umbrella trimming.

Item #	Style #	Color	Put Up	Width
504507	08337-2	Barley	25 yd.	2 in.
504502	07300-4635	Buttercup	25 yd.	2 in.
504504	07697-2	Classic	25 yd.	2 in.
504515	08354-2	Clay	25 yd.	2 in.
503874	07300	Cocoa	25 yd.	2 in.
504510	08347-2	Dune	25 yd.	2 in.
504516	08359-2	Dusk	25 yd.	2 in.
504511	08348-2	Flame	25 yd.	2 in.
504503	07300-5462	Hot Pink	25 yd.	2 in.
504513	08351-2	Indigo	25 yd.	2 in.
504517	08362-2	Meadow	25 yd.	2 in.
504501	07300-4608	Onyx	25 yd.	2 in.
504514	08352-2	Opal	25 yd.	2 in.
504505	08290-2	Papaya	25 yd.	2 in.
504508	08345-2	Putty	25 yd.	2 in.
504506	08293-2	Rain Forest	25 yd.	2 in.
504512	08350-2	Redwood	25 yd.	2 in.
504500	07300-4604	Salt	25 yd.	2 in.
504509	08346-2	Smoke	25 yd.	2 in.

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## Sunbrella® Twist Cord-Edge

This twisted cord edge is made with durable Sunbrella yarns. It includes a color-matched sewing tab. Colors and blends are selected to pair with the Sunbrella Fusion Collection and other Sunbrella upholstery collections.

3-yard minimum for cut yardage.

Suggested uses: welting on marine and patio cushions, decorative umbrella trimming.

Item #	Style #	Color	Put Up	Width
504706	07313-4633	Almond	25 yd.	3/8 in.
504720	07313-5416	Aruba	25 yd.	3/8 in.
504729	08337	Barley	25 yd.	3/8 in.
504707	07313-4635	Buttercup	25 yd.	3/8 in.
504714	07313-4675	Capri	25 yd.	3/8 in.
504703	07313-4621	Chocolate	25 yd.	3/8 in.
504715	07313-4676	Cocoa	25 yd.	3/8 in.
504700	07313-4603	Crimson	25 yd.	3/8 in.
504721	07313-5418	Deep Sea	25 yd.	3/8 in.
504705	07313-4630	Dove	25 yd.	3/8 in.
504732	08347-CE	Dune	25 yd.	3/8 in.
504733	08348-CE	Flame	25 yd.	3/8 in.
504717	07313-4685	Ginkgo	25 yd.	3/8 in.
504724	07313-5441	Gold	25 yd.	3/8 in.
504708	07313-4644	Graphite	25 yd.	3/8 in.
504725	07313-5462	Hot Pink	25 yd.	3/8 in.
504734	08349	Linden	25 yd.	3/8 in.
504719	07313-5415	Melon	25 yd.	3/8 in.
504728	07532-CE	Nautical	25 yd.	3/8 in.
504704	07313-4626	Navy	25 yd.	3/8 in.
504718	07313-4686	Nutmeg	25 yd.	3/8 in.
504702	07313-4608	Onyx	25 yd.	3/8 in.
504723	07313-5421	Palm	25 yd.	3/8 in.
504710	07313-4649	Plum	25 yd.	3/8 in.
504730	08345	Putty	25 yd.	3/8 in.
504701	07313-4604	Salt	25 yd.	3/8 in.
504722	07313-5420	Sky	25 yd.	3/8 in.
504731	08346	Smoke	25 yd.	3/8 in.
504712	07313-4673	Spa	25 yd.	3/8 in.
504709	07313-4648	Stone	25 yd.	3/8 in.
504726	07313-5488	Teak	25 yd.	3/8 in.
504716	07313-4677	Tuscan	25 yd.	3/8 in.

Item #	Style #	Color	Put Up	Width
504727	07313-5498	Vellum	25 yd.	3/8 in.
504713	07313-4674	Wheat	25 yd.	3/8 in.
504711	07313-4672	Wren	25 yd.	3/8 in.

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## Sunbrella® Pure

Nature takes on many shapes, textures, and colors. The Pure Collection embraces this expression through use of raw and plush textures, universal geometry, and colors found in nature. The upholstery fabric collection brings style and performance, both indoors and out. Pure serves as an essential design element that, when layered and mixed with other fabric collections, subtly adapts to its environment.

Suggested uses: indoor and outdoor furniture, cushions, pillows.

<b>Fabric</b>	Sunbrella Acrylic
<b>Finish</b>	Non-PFOA Water and Stain Repellent
<b>FR Standards Met</b>	California Technical Bulletin 117-2013 Class 1; NFPA 260:2013 Class 1; UFAC 1990 Flammability Class 1
<b>Warranty</b>	5-Year

Item #	Style #	Color	Put Up	Weight	Width
743800	145485-0001	Authentic Indigo	30-60 yd.	13.5 oz.	54 in.
743801	145485-0002	Authentic Pebble	30-60 yd.	13.5 oz.	54 in.
743802	40483-0001	Cast Charcoal	30-60 yd.	6.5 oz.	54 in.
743807	48112-0000	Cast Citrus	30-60 yd.	6.5 oz.	54 in.
743804	48108-0000	Cast Coral	30-60 yd.	6.5 oz.	54 in.
743810	48115-0000	Cast Currant	30-60 yd.	6.5 oz.	54 in.
743806	48110-0000	Cast Laurel	30-60 yd.	6.5 oz.	54 in.
743805	48109-0000	Cast Moss	30-60 yd.	6.5 oz.	54 in.
743803	48103-0000	Cast Ocean	30-60 yd.	6.5 oz.	54 in.
743809	48114-0000	Cast Pumice	30-60 yd.	6.5 oz.	54 in.
743808	48113-0000	Cast Royal	30-60 yd.	6.5 oz.	54 in.
743813	44341-0003	Enrich Cloud	30-60 yd.	9.9 oz.	54 in.
743811	44341-0001	Enrich Indigo	30-60 yd.	9.9 oz.	54 in.

FABRIC UPHOLSTERY

Item #	Style #	Color	Put Up	Weight	Width
743812	44341-0002	Enrich Ruby	30-60 yd.	9.9 oz.	54 in.
743818	16005-0005	Essential Coal	30-60 yd.	9.4 oz.	54 in.
743819	16005-0006	Essential Dawn	30-60 yd.	9.4 oz.	54 in.
743816	16005-0003	Essential Flax	30-60 yd.	9.4 oz.	54 in.
743822	16005-0009	Essential Garnet	30-60 yd.	9.4 oz.	54 in.
743815	16005-0002	Essential Granite	30-60 yd.	9.4 oz.	54 in.
743821	16005-0008	Essential Indigo	30-60 yd.	9.4 oz.	54 in.
743814	16005-0001	Essential Lagoon	30-60 yd.	9.4 oz.	54 in.
743826	16005-0013	Essential Lime	30-60 yd.	9.4 oz.	54 in.
743825	16005-0012	Essential Pine	30-60 yd.	9.4 oz.	54 in.
743823	16005-0010	Essential Russet	30-60 yd.	9.4 oz.	54 in.
743817	16005-0004	Essential Sand	30-60 yd.	9.4 oz.	54 in.
743820	16005-0007	Essential Seaglass	30-60 yd.	9.4 oz.	54 in.
743824	16005-0011	Essential Spark	30-60 yd.	9.4 oz.	54 in.
743828	16003-0002	Intent Mink	30-60 yd.	9 oz.	54 in.
743827	16003-0001	Intent Moss	30-60 yd.	9 oz.	54 in.
743831	44339-0003	Perception Glow	30-60 yd.	10.2 oz.	54 in.
743830	44339-0002	Perception Spark	30-60 yd.	10.2 oz.	54 in.
743829	44339-0001	Perception Treetop	30-60 yd.	10.2 oz.	54 in.
743840	42091-0015	Platform Aloe	30-60 yd.	10.3 oz.	54 in.
729567	42091-0002	Platform Char	30-60 yd.	10.3 oz.	54 in.
729572	42091-0011	Platform Cloud	30-60 yd.	10.3 oz.	54 in.
743841	42091-0016	Platform Coral	30-60 yd.	10.3 oz.	54 in.
729571	42091-0009	Platform Dove	30-60 yd.	10.3 oz.	54 in.
729570	42091-0008	Platform Fawn	30-60 yd.	10.3 oz.	54 in.
743839	42091-0014	Platform Haze	30-60 yd.	10.3 oz.	54 in.
743843	42091-0018	Platform Horizon	30-60 yd.	10.3 oz.	54 in.
729568	42091-0003	Platform Indigo	30-60 yd.	10.3 oz.	54 in.
729574	42091-0013	Platform Salt	30-60 yd.	10.3 oz.	54 in.
743842	42091-0017	Platform Sangria	30-60 yd.	10.3 oz.	54 in.
729566	42091-0001	Platform Smoke	30-60 yd.	10.3 oz.	54 in.
743845	14017-0001	Refine Cactus	30-60 yd.	7.8 oz.	54 in.
743846	14017-0002	Refine Ember	30-60 yd.	7.8 oz.	54 in.
743847	14017-0003	Refine Indigo	30-60 yd.	7.8 oz.	54 in.
743848	44340-0001	Simplicity Ash	30-60 yd.	10.6 oz.	54 in.
743850	44340-0003	Simplicity Garden	30-60 yd.	10.6 oz.	54 in.
743849	44340-0002	Simplicity Lagoon	30-60 yd.	10.6 oz.	54 in.
743852	40524-0002	Trusted Coast	30-60 yd.	6.5 oz.	54 in.
743851	40524-0001	Trusted Fog	30-60 yd.	6.5 oz.	54 in.
743844	42091-0019		30-60 yd.	10.3 oz.	54 in.

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Sunbrella® Makers

Sunbrella Makers is a celebration of human creativity, self-reliance and individuality expressed through fabrics. Discover patterns inspired from handmade techniques such as Mayan backstrap weaving and Japanese shibori dyeing. The collection honors the beautiful imperfections of the handmade and preserves the traditional element of craft and art.

Suggested uses: indoor and outdoor furniture, cushions, pillows.

Fabric	Sunbrella Acrylic, Non-Phthalate PVC, Polyester
Finish	Non-PFOA Water and Stain Repellent
FR Standards Met	California Technical Bulletin 117-2013 Class 1; NFPA 260:2013 Class 1; UFAC 1990 Flammability Class 1
Warranty	5-Year

Item #	Style #	Color	Put Up	Weight	Width
735743	69010-0003	Adaptation Apricot	40-60 yd.	17.3 oz.	54 in.
735744	69010-0004	Adaptation Indigo	40-60 yd.	17.3 oz.	54 in.





## Sunbrella® Elements – Decorative

Sunbrella performance fabrics make any space look stunning, with the strength to stand up to the elements and everyday use. Perfect for both indoor and outdoor applications, Sunbrella upholstery is water repellent, bleach cleanable and fade resistant, yet incredibly soft to the touch.

With a large selection of solids, patterns, textures and jacquards, the possibilities are endless.

Suggested uses: indoor and outdoor furniture, decorative pillows, cushions, curtains and drapes.

<b>Fabric</b>	Sunbrella Acrylic
<b>Finish</b>	Non-PFOA Water and Stain Repellent
<b>FR Standards Met</b>	California Technical Bulletin 117-2013 Class 1; NFPA 260:2013 Class 1; UFAC 1990 Flammability Class 1
<b>Warranty</b>	5-Year

Item #	Style #	Color	Put Up	Weight	Width
743656	45936-0000	Accord II Crimson	40-60 yd.	12.8 oz.	54 in.
743652	45922-0000	Accord Jade	40-60 yd.	14 oz.	54 in.
743653	45922-0001	Accord Koi	40-60 yd.	14 oz.	54 in.
735381	44285-0001	Action Ash	40-60 yd.	9.8 oz.	54 in.
735384	44285-0004	Action Denim	40-60 yd.	9.8 oz.	54 in.
735380	44285-0000	Action Linen	40-60 yd.	9.8 oz.	54 in.
735382	44285-0002	Action Stone	40-60 yd.	9.8 oz.	54 in.
735383	44285-0003	Action Taupe	40-60 yd.	9.8 oz.	54 in.
743666	56096-0000	Astoria Lagoon	40-60 yd.	8.3 oz.	54 in.
743665	56095-0000	Astoria Sunset	40-60 yd.	8.3 oz.	54 in.
738521	8521-0000	Berenson Tuxedo	40-60 yd.	9.1 oz.	54 in.
729290	7253-0000	Bessemer 1000BA	40-60 yd.	10.3 oz.	54 in.
729219	45542-0000	Blox Slate	40-60 yd.	12 oz.	54 in.

Item #	Style #	Color	Put Up	Weight	Width
735741	69010-0001	Adaptation Linen	40-60 yd.	17.3 oz.	54 in.
735742	69010-0002	Adaptation Stone	40-60 yd.	17.3 oz.	54 in.
735769	145340-0002	Artistry Ash	40-60 yd.	11.8 oz.	54 in.
735768	145340-0001	Artistry Indigo	40-60 yd.	11.8 oz.	54 in.
735749	16001-0005	Blend Cactus	40-60 yd.	11.3 oz.	54 in.
735751	16001-0007	Blend Cherry	40-60 yd.	11.3 oz.	54 in.
735750	16001-0006	Blend Clay	40-60 yd.	11.3 oz.	54 in.
735752	16001-0008	Blend Coal	40-60 yd.	11.3 oz.	54 in.
735754	16001-0010	Blend Fog	40-60 yd.	11.3 oz.	54 in.
735757	16001-0013	Blend Honey	40-60 yd.	11.3 oz.	54 in.
735745	16001-0001	Blend Indigo	40-60 yd.	11.3 oz.	54 in.
735746	16001-0002	Blend Lagoon	40-60 yd.	11.3 oz.	54 in.
735758	16001-0014	Blend Linen	40-60 yd.	11.3 oz.	54 in.
735753	16001-0009	Blend Mist	40-60 yd.	11.3 oz.	54 in.
735755	16001-0011	Blend Nomad	40-60 yd.	11.3 oz.	54 in.
735747	16001-0003	Blend Sable	40-60 yd.	11.3 oz.	54 in.
735748	16001-0004	Blend Sage	40-60 yd.	11.3 oz.	54 in.
735756	16001-0012	Blend Sand	40-60 yd.	11.3 oz.	54 in.
735737	56105-0000	Canvas Cyan	40-60 yd.	8 oz.	54 in.
735762	48094-0000	Cast Breeze	40-60 yd.	6.5 oz.	54 in.
735759	48091-0000	Cast Horizon	40-60 yd.	6.5 oz.	54 in.
735763	48097-0000	Cast Sable	40-60 yd.	6.5 oz.	54 in.
735760	48092-0000	Cast Sage	40-60 yd.	6.5 oz.	54 in.
735761	48093-0000	Cast Teak	40-60 yd.	6.5 oz.	54 in.
735771	56100-0000	Cultivate Breeze	40-60 yd.	8.5 oz.	54 in.
735777	56107-0000	Cultivate Stone	40-60 yd.	8.5 oz.	54 in.
735776	56106-0000	Cultivate Tandoori	40-60 yd.	8.5 oz.	54 in.
735775	56104-0000	Gateway Aspen	40-60 yd.	7.8 oz.	54 in.
735774	56103-0000	Gateway Fuse	40-60 yd.	7.8 oz.	54 in.
735773	56102-0000	Gateway Indigo	40-60 yd.	7.8 oz.	54 in.
735772	56101-0000	Gateway Tropic	40-60 yd.	7.8 oz.	54 in.
735739	145256-0002	Midori Bermuda	40-60 yd.	13.8 oz.	54 in.
735738	145256-0001	Midori Indigo	40-60 yd.	13.8 oz.	54 in.
735740	145256-0005	Midori Stone	40-60 yd.	13.8 oz.	54 in.
735764	40484-0001	Paradigm Stone	40-60 yd.	6.5 oz.	54 in.
735770	56054-0000	Shore Linen	40-60 yd.	7.8 oz.	54 in.
735765	48090-0000	Spectrum Aztec	40-60 yd.	6.5 oz.	54 in.
735767	48096-0000	Spectrum Cherry	40-60 yd.	6.5 oz.	54 in.
735766	48095-0000	Spectrum Ruby	40-60 yd.	6.5 oz.	54 in.
735778	5653-0000	Tradition Aspen	40-60 yd.	7.8 oz.	54 in.

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FABRIC UPHOLSTERY

Item #	Style #	Color	Put Up	Weight	Width
735712	5612-0000	Brannon Redwood	40-60 yd.	8.3 oz.	54 in.
735610	5621-0000	Brannon Whisper	40-60 yd.	8.3 oz.	54 in.
735602	5602-0000	Bravada Limelite	40-60 yd.	8.3 oz.	54 in.
735701	5601-0000	Bravada Salsa	40-60 yd.	8.3 oz.	54 in.
743723	58030-0000	Cabana Classic	40-60 yd.	8.3 oz.	54 in.
743722	58029-0000	Cabana Regatta	40-60 yd.	8.3 oz.	54 in.
729299	45099-0003	Cabaret Blue Haze	40-60 yd.	10.6 oz.	54 in.
743730	58037-0000	Cove Cameo	40-60 yd.	8.3 oz.	54 in.
743729	58036-0000	Cove Pebble	40-60 yd.	8.3 oz.	54 in.
735706	5606-0000	Davidson Redwood	40-60 yd.	8.6 oz.	54 in.
738631	8031-0000	Dimone Sequoia	40-60 yd.	10.1 oz.	54 in.
746000	56000-0000	Dolce Mango	40-60 yd.	8.3 oz.	54 in.
746001	56001-0000	Dolce Oasis	40-60 yd.	8.3 oz.	54 in.
746059	56059-0000	Dorsett Cherry	40-60 yd.	8.3 oz.	54 in.
743717	57005-0000	Echo Ash	40-60 yd.	10.1 oz.	54 in.
743718	57007-0000	Echo Dune	40-60 yd.	10.1 oz.	54 in.
743686	8076-0000	Echo Midnight	40-60 yd.	10.1 oz.	54 in.
743690	8080-0000	Echo Sangria	40-60 yd.	10.1 oz.	54 in.
729289	45746-0001	Elegance Marble	40-60 yd.	14.4 oz.	54 in.
743637	45837-0002	Empire Dove	40-60 yd.	14.5 oz.	54 in.
743640	45885-0000	Fischer Lagoon	40-60 yd.	14.5 oz.	54 in.
729228	56051-0000	Foster Metallic	40-60 yd.	8.3 oz.	54 in.
729226	56049-0000	Foster Surfside	40-60 yd.	8.3 oz.	54 in.
743662	56092-0000	Frequency Ash	40-60 yd.	8.3 oz.	54 in.
743663	56093-0000	Frequency Parchment	40-60 yd.	8.3 oz.	54 in.
743664	56094-0000	Frequency Sand	40-60 yd.	8.3 oz.	54 in.
743714	45991-0003	Fretwork Cameo	40-60 yd.	12 oz.	54 in.
740717	45991-0001	Fretwork Flax	40-60 yd.	12 oz.	54 in.
743712	45991-0000	Fretwork Mist	40-60 yd.	12 oz.	54 in.
743713	45991-0002	Fretwork Pewter	40-60 yd.	12 oz.	54 in.
743731	58038-0000	Gateway Blush	40-60 yd.	8.3 oz.	54 in.
743732	58039-0000	Gateway Mist	40-60 yd.	8.3 oz.	54 in.
729229	56052-0000	Gavin Mist	40-60 yd.	8.3 oz.	54 in.
735603	5603-0000	Harwood Crimson	40-60 yd.	8.6 oz.	54 in.
743710	42078-0000	Hybrid Sky	40-60 yd.	11.6 oz.	54 in.
743711	42079-0000	Hybrid Smoke	40-60 yd.	11.6 oz.	54 in.
743674	57004-0000	Lido Indigo	40-60 yd.	8.6 oz.	54 in.
729282	45690-0000	Luxe Indigo	40-60 yd.	12.9 oz.	54 in.
729213	42048-0009	Mainstreet Latte	40-60 yd.	12.5 oz.	54 in.
729212	42048-0005	Mainstreet Wren	40-60 yd.	12.5 oz.	54 in.

Item #	Style #	Color	Put Up	Weight	Width
735630	5630-0000	Mason Forest Green	40-60 yd.	8.3 oz.	54 in.
735674	5674-0000	Maxim Heather Beige	40-60 yd.	8.3 oz.	54 in.
746079	56079-0000	Milano Char	40-60 yd.	8.3 oz.	54 in.
746080	56080-0000	Milano Cobalt	40-60 yd.	8.3 oz.	54 in.
729202	56071-0000	Passage Poppy	40-60 yd.	8.3 oz.	54 in.
746075	56075-0000	Peyton Granite	40-60 yd.	8.6 oz.	54 in.
735695	5695-0000	Regency Sand	40-60 yd.	8.6 oz.	54 in.
735708	5608-0000	Seville Seaside	40-60 yd.	8.3 oz.	54 in.
743726	58033-0000	Shore Classic	40-60 yd.	8.3 oz.	54 in.
743725	58032-0000	Shore Regatta	40-60 yd.	8.3 oz.	54 in.
743228	32008-0000	Solana Seagull	40-60 yd.	13.9 oz.	54 in.
743682	58002-0000	Stanton Greystone	40-60 yd.	8.3 oz.	54 in.
743681	58001-0000	Stanton Lagoon	40-60 yd.	8.3 oz.	54 in.
743733	58040-0000	Token Surfside	40-60 yd.	10.1 oz.	54 in.
729240	45760-0002	Violetta Baltic	40-60 yd.	14.5 oz.	54 in.

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Sunbrella® Elements – Canvas

Part of the Sunbrella Elements Collection, Canvas performance fabrics feature solid colors. Canvas is perfect for coordinating with Sunbrella patterned fabrics. Available in classic neutrals and a myriad of colors, Canvas is suited for indoor and outdoor applications. The fabric delivers high performance with a soft touch. Coordinate with awnings, umbrellas, drapery, and more.

Suggested uses: indoor and outdoor furniture, cushions, pillows.

Fabric	Sunbrella Acrylic
Finish	Non-PFOA Water and Stain Repellent
FR Standards Met	California Technical Bulletin 117-2013 Class 1; NFPA 260:2013 Class 1; UFAC 1990 Flammability Class 1
Warranty	5-Year

Item #	Style #	Color	Put Up	Weight	Width
735410	5410-0000	Canvas Air Blue	40-60 yd.	8 oz.	54 in.
735422	5422-0000	Canvas Antique Beige	40-60 yd.	8 oz.	54 in.
735416	5416-0000	Canvas Aruba	40-60 yd.	8 oz.	54 in.
735232	5432-0000	Canvas Bay Brown	40-60 yd.	8 oz.	54 in.
735472	5472-0000	Canvas Birds Eye	40-60 yd.	8 oz.	54 in.
735408	5408-0000	Canvas Black	40-60 yd.	8 oz.	54 in.
743670	57000-0000	Canvas Blush	40-60 yd.	8 oz.	54 in.
735484	5484-0000	Canvas Brass	40-60 yd.	8 oz.	54 in.
735409	5409-0000	Canvas Brick	40-60 yd.	8 oz.	54 in.
735436	5436-0000	Canvas Burgundy	40-60 yd.	8 oz.	54 in.
735438	5438-0000	Canvas Buttercup	40-60 yd.	8 oz.	54 in.
735468	5468-0000	Canvas Camel	40-60 yd.	8 oz.	54 in.

Item #	Style #	Color	Put Up	Weight	Width
735453	5453-0000	Canvas Canvas	40-60 yd.	8 oz.	54 in.
735226	5426-0000	Canvas Capri	40-60 yd.	8 oz.	54 in.
735948	54048-0000	Canvas Charcoal	40-60 yd.	8 oz.	54 in.
743671	57001-0000	Canvas Chestnut	40-60 yd.	8 oz.	54 in.
735489	5489-0000	Canvas Coal	40-60 yd.	8 oz.	54 in.
735325	5425-0000	Canvas Cocoa	40-60 yd.	8 oz.	54 in.
735248	5448-0000	Canvas Cork	40-60 yd.	8 oz.	54 in.
735487	5487-0000	Canvas Fern	40-60 yd.	8 oz.	54 in.
735492	5492-0000	Canvas Flax	40-60 yd.	8 oz.	54 in.
735446	5446-0000	Canvas Forest Green	40-60 yd.	8 oz.	54 in.
735911	54011-0000	Canvas Ginkgo	40-60 yd.	8 oz.	54 in.
735228	5428-0000	Canvas Glacier	40-60 yd.	8 oz.	54 in.
735402	5402-0000	Canvas Granite	40-60 yd.	8 oz.	54 in.
735476	5476-0000	Canvas Heather Beige	40-60 yd.	8 oz.	54 in.
735407	5407-0000	Canvas Henna	40-60 yd.	8 oz.	54 in.
735562	5462-0000	Canvas Hot Pink	40-60 yd.	8 oz.	54 in.
743672	57002-0000	Canvas Iris	40-60 yd.	8 oz.	54 in.
735403	5403-0000	Canvas Jockey Red	40-60 yd.	8 oz.	54 in.
735477	5477-0000	Canvas Logo Red	40-60 yd.	8 oz.	54 in.
735229	5429-0000	Canvas Macaw	40-60 yd.	8 oz.	54 in.
735415	5415-0000	Canvas Melon	40-60 yd.	8 oz.	54 in.
735320	5420-0000	Canvas Mineral Blue	40-60 yd.	8 oz.	54 in.
735404	5404-0000	Canvas Natural	40-60 yd.	8 oz.	54 in.
735439	5439-0000	Canvas Navy	40-60 yd.	8 oz.	54 in.
735401	5401-0000	Canvas Pacific Blue	40-60 yd.	8 oz.	54 in.
735321	5421-0000	Canvas Palm	40-60 yd.	8 oz.	54 in.
735405	5405-0000	Canvas Parrot	40-60 yd.	8 oz.	54 in.
735471	5471-0000	Canvas Raven Black	40-60 yd.	8 oz.	54 in.
743715	5493-0000	Canvas Regatta	40-60 yd.	8 oz.	54 in.
735910	54010-0000	Canvas Rust	40-60 yd.	8 oz.	54 in.
735452	5452-0000	Canvas Sapphire Blue	40-60 yd.	8 oz.	54 in.
735424	5424-0000	Canvas Sky Blue	40-60 yd.	8 oz.	54 in.
735413	5413-0000	Canvas Spa	40-60 yd.	8 oz.	54 in.
735457	5457-0000	Canvas Sunflower Yellow	40-60 yd.	8 oz.	54 in.
735406	5406-0000	Canvas Tangerine	40-60 yd.	8 oz.	54 in.
735461	5461-0000	Canvas Taupe	40-60 yd.	8 oz.	54 in.
735488	5488-0000	Canvas Teak	40-60 yd.	8 oz.	54 in.
735456	5456-0000	Canvas Teal	40-60 yd.	8 oz.	54 in.
735240	5440-0000	Canvas Terracotta	40-60 yd.	8 oz.	54 in.
735499	5499-0000	Canvas True Blue	40-60 yd.	8 oz.	54 in.
735417	5417-0000	Canvas Tuscan	40-60 yd.	8 oz.	54 in.
735498	5498-0000	Canvas Vellum	40-60 yd.	8 oz.	54 in.
735470	5470-0000	Canvas Walnut	40-60 yd.	8 oz.	54 in.

Item #	Style #	Color	Put Up	Weight	Width
735514	5414-0000	Canvas Wheat	40-60 yd.	8 oz.	54 in.
743673	57003-0000	Canvas White	40-60 yd.	8 oz.	54 in.

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## Sunbrella® Elements – Cast

Sunbrella performance fabrics make any space look stunning, with the strength to stand up to the elements and everyday use. Perfect for both indoor and outdoor applications, Sunbrella upholstery is water repellent, bleach cleanable and fade resistant, yet incredibly soft to the touch.

With a large selection of solids, patterns, textures and jacquards, the possibilities are endless. Coordinate upholstery fabric with awnings, umbrellas, drapery, and more.

Suggested uses: indoor and outdoor furniture, cushions, pillows.

<b>Fabric</b>	Sunbrella Acrylic
<b>Finish</b>	Non-PFOA Water and Stain Repellent
<b>FR Standards Met</b>	California Technical Bulletin 117-2013 Class 1; NFPA 260:2013 Class 1; UFAC 1990 Flammability Class 1
<b>Warranty</b>	5-Year

Item #	Style #	Color	Put Up	Weight	Width
743700	40428-0000	Cast Ash	40-60 yd.	7.1 oz.	54 in.
735379	40456-0000	Cast Lagoon	40-60 yd.	7.1 oz.	54 in.
743701	40429-0000	Cast Mist	40-60 yd.	7.1 oz.	54 in.
743702	40430-0000	Cast Oasis	40-60 yd.	7.1 oz.	54 in.
743703	40431-0000	Cast Petal	40-60 yd.	7.1 oz.	54 in.
743704	40432-0000	Cast Shale	40-60 yd.	7.1 oz.	54 in.
743705	40433-0000	Cast Silver	40-60 yd.	7.1 oz.	54 in.
743706	40434-0000	Cast Slate	40-60 yd.	7.1 oz.	54 in.
743707	40435-0000	Cast Tinsel	40-60 yd.	7.1 oz.	54 in.

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## Sunbrella® Elements – Dupione

Dupione performance fabrics, part of the Sunbrella Elements line, have a unique texture with a “dupion” silk look. Available in a range of colors, Dupione is appropriate for indoor and outdoor use. These fabrics provide high durability with a soft touch. Pair in style with awnings, umbrellas, drapery, and more.

Suggested uses: indoor and outdoor furniture, cushions, pillows.

<b>Fabric</b>	Sunbrella Acrylic
<b>Finish</b>	Non-PFOA Water and Stain Repellent
<b>FR Standards Met</b>	California Technical Bulletin 117-2013 Class 1; NFPA 260:2013 Class 1; UFAC 1990 Flammability Class 1
<b>Warranty</b>	5-Year

Item #	Style #	Color	Put Up	Weight	Width
738668	8068-0000	Dupione Aloe	40-60 yd.	10.1 oz.	54 in.



Item #	Style #	Color	Put Up	Weight	Width
738613	8013-0000	Dupione Bamboo	40-60 yd.	10.1 oz.	54 in.
738667	8067-0000	Dupione Celeste	40-60 yd.	10.1 oz.	54 in.
738612	8012-0000	Dupione Cornsilk	40-60 yd.	10.1 oz.	54 in.
738651	8051-0000	Dupione Crimson	40-60 yd.	10.1 oz.	54 in.
738619	8019-0000	Dupione Deep Sea	40-60 yd.	10.1 oz.	54 in.
738655	8069-0000	Dupione Dove	40-60 yd.	10.1 oz.	54 in.
738616	8016-0000	Dupione Galaxy	40-60 yd.	10.1 oz.	54 in.
738656	8056-0000	Dupione Henna	40-60 yd.	10.1 oz.	54 in.
738666	8066-0000	Dupione Latte	40-60 yd.	10.1 oz.	54 in.
738615	8015-0000	Dupione Laurel	40-60 yd.	10.1 oz.	54 in.
738664	8064-0000	Dupione Nectarine	40-60 yd.	10.1 oz.	54 in.
738657	8057-0000	Dupione Oak	40-60 yd.	10.1 oz.	54 in.
738653	8053-0000	Dupione Papaya	40-60 yd.	10.1 oz.	54 in.
738650	8050-0000	Dupione Paradise	40-60 yd.	10.1 oz.	54 in.
738610	8010-0000	Dupione Pearl	40-60 yd.	10.1 oz.	54 in.
738624	8024-0000	Dupione Peridot	40-60 yd.	10.1 oz.	54 in.
738611	8011-0000	Dupione Sand	40-60 yd.	10.1 oz.	54 in.
738660	8060-0000	Dupione Stone	40-60 yd.	10.1 oz.	54 in.
738617	8017-0000	Dupione Walnut	40-60 yd.	10.1 oz.	54 in.

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## Sunbrella® Elements – Linen

Part of the Sunbrella Elements Collection, Sunbrella Linen is woven to look like traditional linen. Despite its delicate look, it offers the same durability as other Sunbrella fabrics. Available in a variety of colors, Linen is great for outdoor and indoor functions. The fabric delivers high performance with a soft feel. Match colors with umbrellas, awnings, drapery, and more.

Suggested uses: indoor and outdoor furniture, cushions, pillows.

<b>Fabric</b>	Sunbrella Acrylic
<b>Finish</b>	Non-PFOA Water and Stain Repellent
<b>FR Standards Met</b>	California Technical Bulletin 117-2013 Class 1; NFPA 260:2013 Class 1; UFAC 1990 Flammability Class 1
<b>Warranty</b>	5-Year

Item #	Style #	Color	Put Up	Weight	Width
738322	8322-0000	Linen Antique Beige	40-60 yd.	8.9 oz.	54 in.
738353	8353-0000	Linen Canvas	40-60 yd.	8.9 oz.	54 in.
738300	8300-0000	Linen Champagne	40-60 yd.	8.9 oz.	54 in.
738309	8306-0000	Linen Chili	40-60 yd.	8.9 oz.	54 in.
738304	8304-0000	Linen Natural	40-60 yd.	8.9 oz.	54 in.
738317	8317-0000	Linen Pampas	40-60 yd.	8.9 oz.	54 in.
738318	8318-0000	Linen Sesame	40-60 yd.	8.9 oz.	54 in.
738351	8351-0000	Linen Silver	40-60 yd.	8.9 oz.	54 in.
738319	8319-0000	Linen Stone	40-60 yd.	8.9 oz.	54 in.
738314	8314-0000	Linen Straw	40-60 yd.	8.9 oz.	54 in.
738374	8374-0000	Linen Taupe	40-60 yd.	8.9 oz.	54 in.

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## Sunbrella® Elements – Sailcloth

Sailcloth, part of the Sunbrella Elements line, is ideal for uses where extra strength is desired while retaining the soft hand of Sunbrella upholstery fabrics. Sailcloth is available in a number of neutral colors. Sailcloth is suitable for outdoor and indoor applications. Coordinate with drapery, awnings, umbrellas, and more.

Suggested uses: indoor and outdoor furniture, cushions, pillows.

<b>Fabric</b>	Sunbrella Acrylic
<b>Finish</b>	Non-PFOA Water and Stain Repellent
<b>FR Standards Met</b>	California Technical Bulletin 117-2013 Class 1; NFPA 260:2013 Class 1; UFAC 1990 Flammability Class 1
<b>Warranty</b>	5-Year

Item #	Style #	Color	Put Up	Weight	Width
743216	32000-0016	Sailcloth Sahara	40-60 yd.	13.9 oz.	54 in.
743226	32000-0026	Sailcloth Sailor	40-60 yd.	13.9 oz.	54 in.
743218	32000-0018	Sailcloth Salt	40-60 yd.	13.9 oz.	54 in.
743202	32000-0002	Sailcloth Sand	40-60 yd.	13.9 oz.	54 in.
743223	32000-0023	Sailcloth Seagull	40-60 yd.	13.9 oz.	54 in.
743699	32000-0036	Sailcloth Shade	40-60 yd.	13.9 oz.	54 in.
743225	32000-0025	Sailcloth Shadow	40-60 yd.	13.9 oz.	54 in.
743200	32000-0000	Sailcloth Shell	40-60 yd.	13.9 oz.	54 in.
743203	32000-0003	Sailcloth Shore	40-60 yd.	13.9 oz.	54 in.
743205	32000-0024	Sailcloth Sisal	40-60 yd.	13.9 oz.	54 in.
743698	32000-0027	Sailcloth Space	40-60 yd.	13.9 oz.	54 in.

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## Sunbrella® Elements – Spectrum

Part of the Sunbrella Elements line, Spectrum is a variation of Canvas with a slight ribbed pattern. Available in a spectrum of colors, Spectrum is suited for indoor and outdoor applications. Use this fabric where high performance and a soft touch is needed. Match with awnings, umbrellas, drapery, and more.

Suggested uses: indoor and outdoor furniture, cushions, pillows.

<b>Fabric</b>	Sunbrella Acrylic
<b>Finish</b>	Non-PFOA Water and Stain Repellent
<b>FR Standards Met</b>	California Technical Bulletin 117-2013 Class 1; NFPA 260:2013 Class 1; UFAC 1990 Flammability Class 1
<b>Warranty</b>	5-Year

Item #	Style #	Color	Put Up	Weight	Width
743232	48082-0000	Spectrum Almond	40-60 yd.	7.1 oz.	54 in.
743235	48085-0000	Spectrum Carbon	40-60 yd.	7.1 oz.	54 in.
743233	48083-0000	Spectrum Caribou	40-60 yd.	7.1 oz.	54 in.
743326	48026-0000	Spectrum Cayenne	40-60 yd.	7.1 oz.	54 in.

Item #	Style #	Color	Put Up	Weight	Width
743322	48022-0000	Spectrum Cilantro	40-60 yd.	7.1 oz.	54 in.
743329	48029-0000	Spectrum Coffee	40-60 yd.	7.1 oz.	54 in.
743324	48024-0000	Spectrum Daffodil	40-60 yd.	7.1 oz.	54 in.
743236	48086-0000	Spectrum Denim	40-60 yd.	7.1 oz.	54 in.
743332	48032-0000	Spectrum Dove	40-60 yd.	7.1 oz.	54 in.
743318	48018-0000	Spectrum Eggshell	40-60 yd.	7.1 oz.	54 in.
743330	48030-0000	Spectrum Graphite	40-60 yd.	7.1 oz.	54 in.
743327	48027-0000	Spectrum Grenadine	40-60 yd.	7.1 oz.	54 in.
743230	48080-0000	Spectrum Indigo	40-60 yd.	7.1 oz.	54 in.
743323	48023-0000	Spectrum Kiwi	40-60 yd.	7.1 oz.	54 in.
743320	48020-0000	Spectrum Mist	40-60 yd.	7.1 oz.	54 in.
743331	48031-0000	Spectrum Mushroom	40-60 yd.	7.1 oz.	54 in.
743231	48081-0000	Spectrum Peacock	40-60 yd.	7.1 oz.	54 in.
743319	48019-0000	Spectrum Sand	40-60 yd.	7.1 oz.	54 in.
743234	48084-0000	Spectrum Sesame	40-60 yd.	7.1 oz.	54 in.
743328	48028-0000	Spectrum Sierra	40-60 yd.	7.1 oz.	54 in.

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## Sunbrella® Elements – Rib

A part of the Sunbrella Elements Collection, Sunbrella Rib fabrics are specially designed to withstand the rigors of sling furniture use. The added polyester yarns give the fabric its necessary strength. Offered in a variety of colors, Rib is appropriate for outdoor and indoor applications. The fabric provides high durability with a soft feel. Coordinate with umbrellas, awnings, drapery, and more.

Suggested uses: sling chairs, indoor and outdoor furniture.

<b>Fabric</b>	Sunbrella Acrylic, Polyester
<b>Finish</b>	Non-PFOA Water and Stain Repellent
<b>FR Standards Met</b>	California Technical Bulletin 117-2013 Class 1; NFPA 260:2013 Class 1; UFAC 1990 Flammability Class 1
<b>Warranty</b>	5-Year

Item #	Style #	Color	Put Up	Weight	Width
743684	7774-0000	Carousel Confetti	40-60 yd.	13.5 oz.	54 in.
737704	7704-0000	Rib Natural	45 yd.	13.5 oz.	54 in.

Item #	Style #	Color	Put Up	Weight	Width
732561	7761-0000	Rib Taupe / Antique Beige	45 yd.	13.5 oz.	54 in.

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## Sunbrella® Elements – Shadow

Discover fabrics that filter light while adding style and privacy to indoor and outdoor areas. Designed for use in umbrellas, privacy screens and architectural embellishments on gazebos and other outdoor structures, Sunbrella Shadow filters and diffuses light and adds privacy or decorative embellishments without completely blocking the sun.

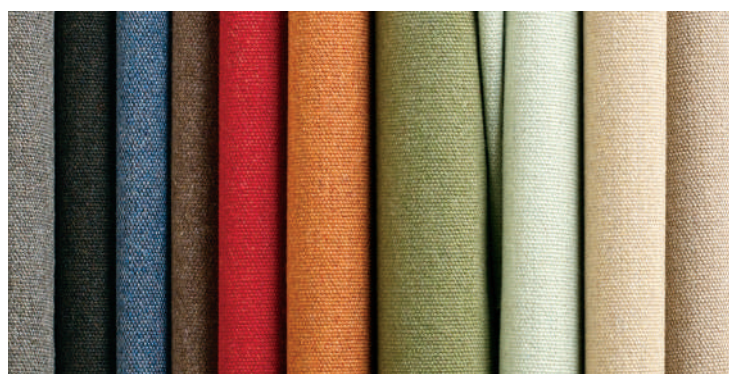
Sunbrella Shadow features a mock-leno weave in which space is locked into the fabric, limiting the amount of sun blocked. It also allows water to pass through for fast drying and prevents weight gain from water retention that can damage architectural structures.

Offered in a variety of colors, Sunbrella Shadow coordinates with many popular Sunbrella awning and furniture fabric colors.

<b>Fabric</b>	Sunbrella Acrylic
<b>FR Standards Met</b>	California Technical Bulletin 117-2013 Class 1; NFPA 260:2013 Class 1; UFAC 1990 Flammability Class 1
<b>Warranty</b>	5-Year

Item #	Style #	Color	Put Up	Weight	Width
740421	51000-0001	Shadow Sand	60 yd.	6 oz.	54 in.
740420	51000-0000	Shadow Snow	60 yd.	6 oz.	54 in.

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## Sunbrella® Heritage

Sunbrella Heritage is an extension of the Renaissance Collection. The line builds on our effort to offer durable, sustainable fabrics. The fabric offers a rustic look and wide color palette. With a unique blend of recycled and virgin fiber, it meets strict performance standards.

Because of recycled content, variations in color may occur.

Suggested uses: indoor and outdoor furniture, slipcovers, decorative pillows, home accessories, curtains and drapes.

FABRIC UPHOLSTERY

Fabric	50% Sunbrella Acrylic, 50% Recycled Sunbrella Acrylic
Finish	Non-PFOA Water and Stain Repellent
FR Standards Met	California Technical Bulletin 117-2013 Class 1; NFPA 260:2013 Class 1; UFAC 1990 Flammability Class 1
Warranty	5-Year

Item #	Style #	Color	Put Up	Weight	Width
735280	18000-0000	Heritage Alpaca	40-60 yd.	11 oz.	54 in.
735281	18001-0000	Heritage Ashe	40-60 yd.	11 oz.	54 in.
735288	18009-0000	Heritage Char	40-60 yd.	11 oz.	54 in.
735289	18010-0000	Heritage Denim	40-60 yd.	11 oz.	54 in.
735283	18004-0000	Heritage Granite	40-60 yd.	11 oz.	54 in.
735290	18011-0000	Heritage Leaf	40-60 yd.	11 oz.	54 in.
735284	18005-0000	Heritage Mink	40-60 yd.	11 oz.	54 in.
735291	18012-0000	Heritage Moss	40-60 yd.	11 oz.	54 in.
735285	18006-0000	Heritage Papyrus	40-60 yd.	11 oz.	54 in.
735287	18008-0000	Heritage Wheat	40-60 yd.	11 oz.	54 in.

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Sunbrella® Rain

Sunbrella Rain upholstery fabrics are 100% waterproof for carefree weather protection. In addition to the standard Sunbrella benefits, they also offer rapid drying. The designer fabric is developed to withstand heavy rainfall.

To ensure that it remains waterproof, Sunbrella Rain should be properly fabricated to allow for ventilation. Aqua-Seal™ thread and pre-wound bobbins are recommended to stitch Sunbrella Rain as Aqua-Seal thread swells up to fill the needle holes as the fabric is stitched. Do not machine wash.

Suggested uses: outdoor seating, cushions, outdoor furniture.

Fabric	Sunbrella Acrylic
Finish	Face: Non-PFOA Water and Stain Repellent, Back: Polyurethane
FR Standards Met	California Technical Bulletin 117-2013 Class 1; NFPA 260:2013 Class 1; UFAC 1990 Flammability Class 1
Warranty	5-Year

Item #	Style #	Color	Put Up	Weight	Width
738495	5612-0000 77	Brannon Redwood	40-60 yd.	8.3 oz.	54 in.
738400	5410-0000 77	Canvas Air Blue	40-60 yd.	8.3 oz.	54 in.
738422	5422-0000 77	Canvas Antique Beige	40-60 yd.	8.3 oz.	54 in.
738408	5408-0000 77	Canvas Black	40-60 yd.	8.3 oz.	54 in.
738510	5409-0000 77	Canvas Brick	40-60 yd.	8.3 oz.	54 in.
738453	5453-0000 77	Canvas Canvas	40-60 yd.	8.3 oz.	54 in.
738489	5489-0000 77	Canvas Coal	40-60 yd.	8.3 oz.	54 in.
738425	5425-0000 77	Canvas Cocoa	40-60 yd.	8.3 oz.	54 in.
738511	5487-0000 77	Canvas Fern	40-60 yd.	8.3 oz.	54 in.
738411	54011-0000 77	Canvas Ginkgo	40-60 yd.	8.3 oz.	54 in.
738406	5402-0000 77	Canvas Granite	40-60 yd.	8.3 oz.	54 in.
738476	5476-0000 77	Canvas Heather Beige	40-60 yd.	8.3 oz.	54 in.
738407	5407-0000 77	Canvas Henna	40-60 yd.	8.3 oz.	54 in.
738403	5403-0000 77	Canvas Jockey Red	40-60 yd.	8.3 oz.	54 in.
738404	5404-0000 77	Canvas Natural	40-60 yd.	8.3 oz.	54 in.
738439	5439-0000 77	Canvas Navy	40-60 yd.	8.3 oz.	54 in.
738413	5413-0000 77	Canvas Spa	40-60 yd.	8.3 oz.	54 in.
738461	5461-0000 77	Canvas Taupe	40-60 yd.	8.3 oz.	54 in.
738488	5488-0000 77	Canvas Teak	40-60 yd.	8.3 oz.	54 in.
738493	8013-0000 77	Dupione Bamboo	40-60 yd.	10.1 oz.	54 in.
738513	8067-0000 77	Dupione Celeste	40-60 yd.	10.1 oz.	54 in.
738541	8067-0000 77	Dupione Dove	40-60 yd.	10.1 oz.	54 in.
738512	8016-0000 77	Dupione Galaxy	40-60 yd.	10.1 oz.	54 in.
738502	8066-0000 77	Dupione Latte	40-60 yd.	10.1 oz.	54 in.
738491	8011-0000 77	Dupione Sand	40-60 yd.	10.1 oz.	54 in.
738500	56049-0000 77	Foster Surfside	40-60 yd.	8.3 oz.	54 in.
738503	8300-0000 77	Linen Champagne	40-60 yd.	8.9 oz.	54 in.
738499	8318-0000 77	Linen Sesame	40-60 yd.	8.9 oz.	54 in.
738494	8314-0000 77	Linen Straw	40-60 yd.	8.9 oz.	54 in.
738497	32000-0016 77	Sailcloth Sahara	40-60 yd.	13.9 oz.	54 in.
738498	32000-0018 77	Sailcloth Salt	40-60 yd.	13.9 oz.	54 in.



Item #	Style #	Color	Put Up	Weight	Width
738496	48026-0000 77	Spectrum Cayenne	40-60 yd.	7.1 oz.	54 in.
738492	48022-0000 77	Spectrum Cilantro	40-60 yd.	7.1 oz.	54 in.
738508	48032-0000 77	Spectrum Dove	40-60 yd.	7.1 oz.	54 in.
738531	48023-0000 77	Spectrum Kiwi	40-60 yd.	7.1 oz.	54 in.
738506	48031-0000 77	Spectrum Mushroom	40-60 yd.	7.1 oz.	54 in.

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## Sunbrella® Terry

Sunbrella Terry is a collection of stylish and UV resistant marine grade and upholstery fabrics. Terry is designed to meet performance demands when used on the boat, on the poolside and more. With long lasting color-fastness and UV protection as well as an effective resistance to mold, it is engineered to perform in harsh environments while maintaining a soft comfortable feel.

<b>Fabric</b>	76% Sunbrella Acrylic 24% Polyester
<b>Finish</b>	Non-PFOA Water and Stain Repellent
<b>FR Standards Met</b>	California Technical Bulletin 117-2013 Class 1; NFPA 260:2013 Class 1; UFAC 1990 Flammability Class 1
<b>Warranty</b>	5-Year

Item #	Style #	Color	Put Up	Weight	Width
728101	78001-0000	Beige	40 yd.	16.5 oz.	54 in.
728104	78004-0000	Char	40 yd.	16.5 oz.	54 in.
728102	78002-0000	Cocoa	40 yd.	16.5 oz.	54 in.
728106	78006-0000	Mineral	40 yd.	16.5 oz.	54 in.
728107	78007-0000	Moss	40 yds.	16.5 oz.	54 in.
728105	78005-0000	Navy	40 yd.	16.5 oz.	54 in.
728100	78000-0000	Parchment	40 yd.	16.5 oz.	54 in.

Item #	Style #	Color	Put Up	Weight	Width
728108	78008-0000	Pumpkin	40 yd.	16.5 oz.	54 in.
728111	78011-0000	Spa	40 yds.	16.5 oz.	54 in.
728109	78009-0000	Wheat	40 yd.	16.5 oz.	54 in.
728114	78014-0000	White	40 yd.	16.5 in.	54 in.
728103	78003-0000	Wren	40 yd.	16.5 oz.	54 in.

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## Sunbrella® Sheer

Sunbrella Sheer performance fabric is fade-resistant and ideal for draperies that call for luxurious, romantic embellishments.

Sunbrella Sheer fabric is woven from Sunbrella yarns, which makes it long lasting even under long-term sun exposure. The fabric also offers soil release for easy cleaning. In addition, water can flow through the fabric, allowing for fast drying and avoiding the risk of damage to architectural structures from weight gain due to water retention.

This plain flat weave fabric is a light, wispy sheer that takes on the coloration of background elements. And since Sunbrella Sheer is made with Sunbrella yarns, it coordinates with the entire Sunbrella decorative fabric line.

<b>Fabric</b>	Sunbrella Acrylic
<b>FR Standards Met</b>	California Technical Bulletin 117-2013 Class 1; NFPA 260:2013 Class 1; UFAC 1990 Flammability Class 1
<b>Warranty</b>	5-Year

Item #	Style #	Color	Put Up	Weight	Width
740415	52001-0005	Mist Dove	60 yd.	4 oz.	54 in.
740413	52001-0003	Mist Honey	60 yd.	4 oz.	54 in.
740411	52001-0001	Mist Parchment	60 yd.	4 oz.	54 in.
740412	52001-0002	Mist Sand	60 yd.	4 oz.	54 in.
740410	52001-0000	Mist Snow	60 yd.	4 oz.	54 in.
740414	52001-0004	Mist Wren	60 yd.	4 oz.	54 in.

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## Sunbrella® Sling

Sunbrella Sling is a patented performance fabric that combines the exceptional strength of vinyl yarns with the softness of Sunbrella. These extremely durable outdoor fabrics are primarily used in sling chair applications. Sunbrella Sling is fade and stain resistant, and provides a sleek designer look and effortless maintenance.

Fabric	PVC Coated Polyester/Sunbrella
FR Standards Met	California Technical Bulletin 117-2013 Class 1; NFPA 260:2013 Class 1; UFAC 1990 Flammability Class 1
Warranty	5-Year

Item #	Style #	Color	Put Up	Weight	Width
793912	5928-0042	Augustine Alloy	45 yd.	15.7 oz.	54 in.
793911	5928-0041	Augustine Amethyst	45 yd.	15.7 oz.	54 in.
794124	5928-0054	Augustine Ashe	45 yd.	15.7 oz.	54 in.
793913	5928-0043	Augustine Denim	45 yd.	15.7 oz.	54 in.
793947	5928-0017	Augustine Espresso	45 yd.	15.7 oz.	54 in.
794123	5928-0053	Augustine Fawn	45 yd.	15.7 oz.	54 in.
793800	5928-0033	Augustine Fennel	45 yd.	15.7 oz.	54 in.
793909	5928-0039	Augustine Frost	45 yd.	15.7 oz.	54 in.
794120	5928-0049	Augustine Golden	45 yd.	15.7 oz.	54 in.
793957	5928-0007	Augustine Gravel	45 yd.	14.7 oz.	54 in.
794122	5928-0051	Augustine Marine	45 yd.	15.7 oz.	54 in.
793801	5928-0034	Augustine Moss	45 yd.	15.7 oz.	54 in.
793948	5928-0018	Augustine Nutmeg	45 yd.	15.7 oz.	54 in.
793884	5928-0045	Augustine Oyster	45 yd.	15.7 oz.	54 in.
793910	5928-0040	Augustine Pear	45 yd.	15.7 oz.	54 in.
794121	5928-0050	Augustine Pearl	45 yd.	15.7 oz.	54 in.
793954	5928-0031	Augustine Pebble	45 yd.	15.7 oz.	54 in.
793803	5928-0032	Augustine Pecan	45 yd.	15.7 oz.	54 in.
794119	5928-0048	Augustine Pewter	45 yd.	15.7 oz.	54 in.
793885	5928-0044	Augustine Silver	45 yd.	15.7 oz.	54 in.
793940	50135-0000	Barlow Mocha	45 yd.	14.9 oz.	54 in.
793869	5300-0000	Baron Oak	35 yd.	21.1 oz.	54 in.
793963	50016-0006	Bossa Nova Graphite	45 yd.	14.9 oz.	54 in.
793850	5301-0006	Calvin Spice	45 yd.	21.8 oz.	54 in.
793825	5318-0002	Casteel Dune	45 yd.	17.8 oz.	54 in.
793827	5318-0001	Casteel Straw	45 yd.	17.8 oz.	54 in.
794132	5312-0001	Corcovado Lichen	45 yd.	17.8 oz.	54 in.
794134	5312-0003	Corcovado Oak	45 yd.	17.8 oz.	54 in.
793996	50078-0006	Destiny Sand	45 yd.	15.7 oz.	54 in.
793993	50078-0003	Destiny Walnut	45 yd.	15.7 oz.	54 in.
793839	5290-0003	Dublin Oak	45 yd.	17.8 oz.	54 in.
794127	50178-0000	Duette Sand	45 yd.	18.3 oz.	54 in.
794128	50179-0000	Duette Shadow	45 yd.	18.3 oz.	54 in.
793856	50183-0000	Elevation Stone	45 yd.	15.7 oz.	54 in.
793857	5319-0000	Force Oak	45 yd.	16.5 oz.	54 in.
793858	5319-0002	Force Slate	45 yd.	16.5 oz.	54 in.
793859	5319-0001	Force Sparrow	45 yd.	16.5 oz.	54 in.
793888	50200-0002	Framework Bronze	45 yd.	14.4 oz.	54 in.
793889	50200-0001	Framework Copper	45 yd.	14.4 oz.	54 in.
793890	50200-0004	Framework Jade	45 yd.	15.7 oz.	54 in.
793891	50200-0005	Framework Seaglass	45 yd.	14.4 oz.	54 in.
793892	50200-0003	Framework Tungsten	45 yd.	14.4 oz.	54 in.
793815	50162-0003	Frontier Barley	45 yd.	15.7 oz.	54 in.
793816	50162-0006	Frontier Everglade	45 yd.	15.7 oz.	54 in.
793817	50162-0008	Frontier Redwood	45 yd.	15.7 oz.	54 in.

Item #	Style #	Color	Put Up	Weight	Width
793967	50017-0007	Havana Java	45 yd.	14.9 oz.	54 in.
793834	5288-0000	Igneous Cappuccino	45 yd.	17.6 oz.	54 in.
793836	5288-0005	Igneous Granite	45 yd.	17.6 oz.	54 in.
793835	5288-0001	Igneous Sesame	45 yd.	17.6 oz.	54 in.
793860	5317-0001	Keetley Birch	45 yd.	17.2 oz.	54 in.
793866	5317-0002	Keetley Jay	45 yd.	17.2 oz.	54 in.
793867	5317-0000	Keetley Prairie	45 yd.	17.2 oz.	54 in.
793961	5929-0001	Lamont Curry	45 yd.	14 oz.	54 in.
793872	50045-0018	Logan Graphite	45 yd.	14.9 oz.	54 in.
793818	50045-0001	Logan Ocean	45 yd.	14.9 oz.	54 in.
794135	5314-0001	Madison Barley	45 yd.	16.3 oz.	54 in.
794137	5314-0003	Madison Cajun	45 yd.	16.3 oz.	54 in.
793982	50160-0000	Mahjong II Teak	45 yd.	15.7 oz.	54 in.
793864	5226-0005	Mattox 6005PB	45 yd.	16.5 oz.	54 in.
793968	5973-0001	Myrtle 7001BN	45 yd.	14.3 oz.	54 in.
794118	5323-0002	Ramona Dove	45 yd.	19.4 oz.	54 in.
794116	5323-0000	Ramona Parchment	45 yd.	19.4 oz.	54 in.
793886	50199-0002	Reed Hickory	45 yd.	13.3 oz.	54 in.
793887	50199-0001	Reed Raffia	45 yd.	13.3 oz.	54 in.
794112	50143-0020	Sailing Sahara	45 yd.	18.3 oz.	54 in.
793844	50143-0000	Sailing Salt	45 yd.	18.3 oz.	54 in.
793848	50143-0010	Sailing Seagull	45 yd.	18.3 oz.	54 in.
793847	50143-0004	Sailing Sienna	45 yd.	18.3 oz.	54 in.
794111	50143-0019	Sailing Space	45 yd.	18.3 oz.	54 in.
793845	50143-0003	Sailing Suntan	45 yd.	18.3 oz.	54 in.
793813	50171-0000	Shangrila Dove	45 yd.	15.7 oz.	54 in.
793812	50170-0000	Shangrila Seagrass	45 yd.	15.7 oz.	54 in.
793811	50169-0000	Stafford Cedar	45 yd.	16.1 oz.	54 in.
793897	5324-0001	Surface Pearl	45 yd.	16.7 oz.	54 in.
793898	5324-0002	Surface Sand	45 yd.	16.7 oz.	54 in.
793899	5324-0003	Surface Shade	45 yd.	16.7 oz.	54 in.
793900	5324-0004	Surface Shadow	45 yd.	16.7 oz.	54 in.
793893	50198-0001	System Dune	45 yd.	15.3 oz.	54 in.
793894	50198-0004	System Earth	45 yd.	15.3 oz.	54 in.
793895	50198-0003	System Pebble	45 yd.	15.3 oz.	54 in.
793896	50198-0002	System Stone	45 yd.	15.3 oz.	54 in.
794177	6829-0000	Weyburn 7001PB	45 yd.	14.3 oz.	54 in.
793906	5910-0006	Weyburn Redwood	45 yd.	14.7 oz.	54 in.

Sunbrella® is a registered trademark of Glen Raven, Inc.



## Phifertex®

Phifertex is a highly stable and durable mesh fabric. It is infused with Microban® antimicrobial product protection, helping to provide an additional level of cleanliness protection that won't wash or wear away for the lifetime of the fabric. Microban protection inhibits the growth of stain and odor-causing bacteria, mold and mildew and works continuously, keeping fabrics cleaner for longer. This product is GREENGUARD® certified for low chemical emissions. UL.Com/GG, UL2818.

Phifertex Standard is not recommended for use in sling applications.

Suggested uses: outdoor furniture, umbrellas, office furniture, orthopedic equipment, upholstery, safety vests, unique heat-filtering awnings.

<b>Fabric</b>	Vinyl Encapsulated Polyester Yarns
<b>FR Standards Met</b>	California Technical Bulletin 117, Section E
<b>Warranty</b>	3-Year

Item #	Style #	Color	Fabric Count	Put Up	Weight	Width
997145	186	Almond	17 x 11	60 yd.	11.7 oz.	54 in.
997152	X04	Black	17 x 11	60 yd.	11.7 oz.	54 in.
997148	800	Brown	17 x 11	60 yd.	11.7 oz.	54 in.
997149	812	Camel	17 x 11	60 yd.	11.7 oz.	54 in.
997173	M96	Christmas Red	17 x 11	60 yd.	11.7 oz.	54 in.
997150	X11	Grey	17 x 11	60 yd.	11.7 oz.	54 in.
997235	X00	Grey Sand	17 x 11	60 yd.	11.7 oz.	54 in.
997143	406	Lemon Yellow	17 x 11	60 yd.	11.7 oz.	54 in.
997147	G01	Navy	17 x 11	60 yd.	11.7 oz.	54 in.
997146	412	Orange	17 x 11	60 yd.	11.7 oz.	54 in.
997141	G00	Royal Blue	17 x 11	60 yd.	11.7 oz.	54 in.
997136	A40	Spice	17 x 11	60 yd.	11.7 oz.	54 in.
997171	C09	Spruce	17 x 11	60 yd.	11.7 oz.	54 in.
997142	000	White	17 x 11	60 yd.	11.7 oz.	54 in.

997173 - Trivantage® makes no claim as to the colorfastness of M96 Red. Customer should determine suitability of fabric to needs.

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Phifertex® Plus

Phifertex Plus carries a heavier weight and denser fabric count for heavy-duty projects. The fabric offers reliable protection and comfort. It resists ripping, sagging, and fading.

Phifer’s patented Microban® technology supplies an added layer of protection. The antimicrobial solution inhibits the growth of stain and odor-causing bacteria, mold, and mildew for lasting cleanliness.

This product is GREENGUARD® certified and made in the USA.

Suggested uses: sling chairs and other outdoor furniture, umbrellas, roller shades and other sun screens, pergola, canopies.

Fabric	Vinyl Encapsulated Polyester Yarns
FR Standards Met	California Technical Bulletin 117, Section E
Warranty	3-Year

Item #	Style #	Color	Fabric Count	Put Up	Weight	Width
997298	X04	Black	42 x 12	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997299	BH4	Burlap	42 x 12	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997745	NAK	Copperlite	42 x 14	60 yd.	15.8 oz.	54 in.
997557	DJ7	Dupione Kiwi	42 x 12	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997555	L37	Dupione Poolside	42 x 12	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997316	L96	Dupione Sapphire	42 x 14	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997315	KT1	Dupione Spice	42 x 14	60 yd.	16.5 oz. (+/- 0.5)	54 in.

Item #	Style #	Color	Fabric Count	Put Up	Weight	Width
997289	DB6	Garden Green	42 x 12	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997108	X00	Grey Sand	42 x 12	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997122	CL1	Holly Green	42 x 12	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997602	LFV	Madras Tweed Harbor	42 x 14	60 yd.	15.8 oz. (+/- 0.5)	54 in.
997603	LFW	Madras Tweed Surf	42 x 14	60 yd.	15.8 oz. (+/- 0.5)	54 in.
997744	KBO	Madras Tweed Terracotta	42 x 14	60 yd.	15.8 oz. (+/- 0.5)	54 in.
997589	YHM	Metallica Lagoon	42 x 14	60 yd.	15.8 oz. (+/- 0.5)	54 in.
997464	XUP	Metallica Platinum	42 x 14	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997302	KK3	Metallica Salsa	42 x 12	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997314	XXG	Metallica Smoke	42 x 14	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997300	OHK	Metallica White	42 x 14	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997747	ZAY	Mica Pearl	42 x 14	60 yd.	15.8 oz.	54 in.
997124	GP5	Navy Pier	42 x 12	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997125	G00	Royal Blue	42 x 12	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997295	KG4	Salsa	42 x 12	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997288	KF4	Snappy	42 x 12	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997498	LEA	Spring Tweed Aqua Shimmer	42 x 14	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997497	DAV	Spring Tweed Citronelle	42 x 14	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997604	NW6	Spring Tweed Copper	42 x 14	60 yd.	15.8 oz. (+/- 0.5)	54 in.
997605	YHM	Spring Tweed Silver	42 x 14	60 yd.	15.8 oz. (+/- 0.5)	54 in.
997301	LBY	Straw Mat Blue	42 x 14	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997129	OY3	Stucco	42 x 12	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997472	LDC	Tweed Indigo	42 x 14	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997471	DAH	Tweed Taffy	42 x 14	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997121	000	White	42 x 12	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997123	406	Yellow	42 x 12	60 yd.	16.5 oz. (+/- 0.5)	54 in.

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## Phifertex® Stripes

Featuring a classic stripe design, Phifertex Stripes fabrics are 100% PVC. They combine durable polyester with a protective vinyl coating for reliable defense against harsh climates. The material also resists fading and tearing for lasting utility.

The key benefits of Phifertex fabrics come from their integrated Microban® antimicrobial protection. The solution fights stain and odor-causing bacteria, mold, and mildew.

This product is GREENGUARD® certified to meet strict environmental standards. Made in the USA.

Suggested uses: sling chairs and other sling outdoor furniture.

<b>Fabric</b>	Vinyl Encapsulated Polyester Yarns
<b>FR Standards Met</b>	California Technical Bulletin 117, Section E
<b>Warranty</b>	3-Year

Item #	Style #	Color	Fabric Count	Put Up	Weight	Width
997429	GY0	Aquafino	42 x 14	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997494	LEB	Bailey Stripe Aqua Shimmer	42 x 14	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997493	DAW	Bailey Stripe Citronelle	42 x 14	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997137	687	Charisma Citrus	42 x 14	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997468	XUM	Coastline Peacock	42 x 14	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997552	DJ5	Delray Stripe Conch	42 x 14	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997551	DJ6	Delray Stripe Kiwi	42 x 14	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997550	L38	Delray Stripe Poolside	42 x 14	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997756	LHR	Elise Stripe Chesapeake	42 x 14	60 yd.	15.8 oz. (+/- 0.5)	54 in.

Item #	Style #	Color	Fabric Count	Put Up	Weight	Width
997139	LAN	Leena Indigo	42 x 14	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997759	ZBD	Marlo Stripe Onyx	42 x 14	60 yd.	15.8 oz. (+/- 0.5)	54 in.
997607	LFY	Owen Stripe Surf	42 x 14	60 yd.	15.8 oz. (+/- 0.5)	54 in.
997606	LFX	Palazzo Stripe Harbor	42 x 14	60 yd.	15.8 oz. (+/- 0.5)	54 in.
997614	EY1	Pulse Dahlia	42 x 14	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997473	DAI	Raleigh Stripe Willow	42 x 14	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997433	KG3	Santiago Stripe	42 x 14	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997475	NN5	Saylor Stripe Sepia	42 x 14	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997466	XUQ	Skyline Stripe Verde	42 x 14	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997616	YAC	Tempo Stone	42 x 14	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997474	LDB	Trixie Stripe Myrtle	42 x 14	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997608	NW7	Vineyard Stripe Copper	42 x 14	60 yd.	15.8 oz. (+/- 0.5)	54 in.
997609	YHN	Vineyard Stripe Silver	42 x 14	60 yd.	15.8 oz. (+/- 0.5)	54 in.
997441	L09	Windsor Stripe Spa	42 x 14	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997617	LBX	Winsted Stripe Beach	42 x 14	60 yd.	16.5 oz. (+/- 0.5)	54 in.

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## Phifertex® Cane Wicker Collection

Phifertex Cane Wicker gives the appearance of wicker furniture without the drawbacks of wood. While genuine wood-woven furniture can fracture and weaken over time, Cane Wicker offers a smooth, durable surface. It provides an elastic, fade-resistant chair or covering.

FABRIC UPHOLSTERY

Part of what makes Phifertex so popular is their Microban® antimicrobial protection. The technology gives a lasting level of cleanliness that won't wash or wear away for the lifespan of the fabric. It prevents the growth of bacteria, mold, mildew, stains, and odor.

This product is GREENGUARD® certified for low chemical emissions. Made in the USA.

Suggested uses: sling chairs and other sling outdoor furniture.

Fabric	Vinyl Encapsulated Polyester Yarns
FR Standards Met	California Technical Bulletin 117, Section E
Warranty	3-Year

Item #	Style #	Color	Fabric Count	Put Up	Weight	Width
997510	CX2	Aluminum	25 x 25	60 yd.	22 oz.	54 in.
997508	CX3	Balsa	25 x 25	60 yd.	22 oz.	54 in.
997736	YHJ	Barque Graphite	25 x 25	60 yd.	21.1 oz.	54 in.
997734	LFP	Barque Rain	25 x 25	60 yd.	21.1 oz.	54 in.
997583	EH3	Bellingrath	25 x 20	60 yd.	18.9 oz.	54 in.
997742	ZBA	Bevel Wicker Grey	22 x 18	60 yd.	17.2 oz.	54 in.
997594	OFE	Cane Oyster	25 x 25	60 yd.	18 oz.	54 in.
997735	LFQ	Cane Weave Pacific	25 x 25	60 yd.	21.1 oz.	54 in.
997733	KAQ	Cane Weave Paprika	25 x 25	60 yd.	21.1 oz.	54 in.
997740	LHT	Caribbean Cane	25 x 25	60 yd.	21.1 oz.	54 in.
997487	LED	Charm Blue Haven	22 x 18	60 yd.	17.2 oz.	54 in.
997726	NP2	Charm Driftwood	25 x 25	60 yd.	17.2 oz.	54 in.
997727	DBW	Charm Khaki	25 x 25	60 yd.	17.2 oz.	54 in.
997728	YHK	Charm Platinum	25 x 25	60 yd.	17.2 oz.	54 in.
997486	NS4	Charm Stucco	22 x 18	60 yd.	17.2 oz.	54 in.
997712	LBZ	Clarity Blue	25 x 25	60 yd.	21.1 oz.	54 in.
997720	NH5	Clarity Pearl	25 x 25	60 yd.	21.1 oz.	54 in.
997543	EC1	Coral Topaz	25 x 25	60 yd.	21.1 oz.	54 in.
997580	EH4	Cordoba Copper	22 x 20	60 yd.	17.7 oz.	54 in.
997581	XSX	Cordoba Ninja	22 x 20	60 yd.	17.7 oz.	54 in.
997529	DW5	Cortez Thyme	25 x 25	60 yd.	21.1 oz.	54 in.
997501	AD7	Desert	25 x 25	60 yd.	22 oz.	54 in.
997540	BT3	Double Dipper	25 x 25	60 yd.	22 oz.	54 in.
997585	EH6	Echo Valley Sadat	25 x 25	60 yd.	21.1 oz.	54 in.
997739	LHQ	Free Spirit Denim	22 x 22	60 yd.	18.7 oz.	54 in.
997737	717	Jazzy Glow	25 x 20	60 yd.	18.8 oz.	54 in.
997741	ZAZ	Jazzy Raven	25 x 20	60 yd.	18.8 oz.	54 in.
997738	LHP	Jazzy Twilight	25 x 20	60 yd.	18.8 oz.	54 in.
997707	XZY	Kamali Limestone	25 x 20	60 yd.	18.9 oz.	54 in.
997743	ZBC	Lanier Wicker Stone	42 x 14	60 yd.	15.8 oz.	54 in.

Item #	Style #	Color	Fabric Count	Put Up	Weight	Width
997715	NG4	Lanigan	25 x 20	60 yd.	18 oz.	54 in.
997593	DT6	Luna Silver Sage	22 x 22	60 yd.	18.7 oz.	54 in.
997591	XUN	Luna Straw	22 x 22	60 yd.	18.7 oz.	54 in.
997714	NG3	Montego	25 x 20	60 yd.	18.9 oz.	54 in.
997592	ET2	Napa Brindle	22 x 22	60 yd.	18.7 oz.	54 in.
997524	AB8	Natural	25 x 25	60 yd.	22 oz.	54 in.
997525	XFG	Plata	25 x 25	60 yd.	21.1 oz.	54 in.
997722	LDD	Pria Tweed Indigo	25 x 25	60 yd.	21.1 oz.	54 in.
997724	NN6	Pria Tweed Sterling	25 x 25	60 yd.	21.1 oz.	54 in.
997710	KV6	Pritchard Ember	25 x 25	60 yd.	21.1 oz.	54 in.
997530	DW6	Reflection Seaglass	25 x 25	60 yd.	21.1 oz.	54 in.
997730	OIU	Roma Dove	22 x 20	60 yd.	17.7 oz.	54 in.
997729	OIT	Roma Onyx	22 x 20	60 yd.	17.7 oz.	54 in.
997490	NS5	Rumi Latte Pearl	25 x 22	60 yd.	20 oz.	54 in.
997706	XZT	Shelburne Taupe	25 x 22	60 yd.	20 oz.	54 in.
997488	LDY	Shelby Cadet Blue	22 x 22	60 yd.	18.7 oz.	54 in.
997518	00V	Sisal / Aluminum	25 x 25	60 yd.	22 oz.	54 in.
997514	AK0	Sisal / Tungsten	25 x 25	60 yd.	22 oz.	54 in.
997492	DAX	Sisal Aloe	30 x 30	60 yd.	24.6 oz.	54 in.
997491	LEC	Sisal Winter Blue	30 x 30	60 yd.	24.6 oz.	54 in.
997731	LFR	Terrace Malachite	22 x 22	60 yd.	18.7 oz.	54 in.
997489	LDZ	Terrace Poolside	22 x 22	60 yd.	18.7 oz.	54 in.
997732	LFS	Terrace Sapphire	22 x 22	60 yd.	18.7 oz.	54 in.
997590	KP4	Terrace Sienna	22 x 22	60 yd.	18.7 oz.	54 in.
997717	NG6	Tiki Butter	25 x 20	60 yd.	17.7 oz.	54 in.
997718	NG7	Tiki Glow	25 x 20	60 yd.	17.7 oz.	54 in.
997523	DB1	Turquesa	25 x 25	60 yd.	21.1 oz.	54 in.
997595	DR6	Veranda Basil	25 x 20	60 yd.	18.9 oz.	54 in.
997596	EM9	Veranda Nutmeg	25 x 20	60 yd.	18.9 oz.	54 in.
997521	DB2	Verde	25 x 25	60 yd.	21.1 oz.	54 in.
997716	NG5	Watercolor Tweed Glow	25 x 25	60 yd.	21.1 oz.	54 in.
997702	EX8	Watercolor Tweed Mocha	22 x 22	60 yd.	18.7 oz.	54 in.
997701	EX7	Watercolor Tweed Moth	22 x 22	60 yd.	18.7 oz.	54 in.
997700	OGA	Watercolor Tweed Oyster	22 x 22	60 yd.	18 oz.	54 in.
997719	NG8	Watercolor Tweed Pearly	25 x 25	60 yd.	21.1 oz.	54 in.

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## Phifertex® Jacquards

Phifertex Jacquard is a 100% PVC fabric designed for use in sling applications. These fabrics are durable, antimicrobial, stain-resistant and fade-resistant, and can be woven into a number of combinations of colors and patterns.

Phifertex is infused with Microban® antimicrobial product protection, helping to provide an additional level of cleanliness protection that won't wash or wear away for the lifetime of the fabric. Microban protection inhibits the growth of stain and odor-causing bacteria, mold and mildew and works continuously, keeping fabrics cleaner for longer. This product is GREENGUARD® certified for low chemical emissions. UL.Com/GG, UL2818.

<b>Fabric</b>	Vinyl Encapsulated Polyester Yarns
<b>FR Standards Met</b>	California Technical Bulletin 117, Section E
<b>Warranty</b>	3-Year

Item #	Style #	Color	Fabric Count	Put Up	Weight	Width
997749	LHU	Bungalow Island	42 x 14	60 yd.	15.8 oz.	54 in.
997417	DW7	Burmese Sea Mist	42 x 14	60 yd.	15.7 oz.	54 in.
997416	00U	Caribbean Palm	42 x 14	60 yd.	15.7 oz.	54 in.
997622	LFT	Cleo Harbor	42 x 16	60 yd.	16.2 oz.	54 in.
997422	YCB	Dazzle Driftwood	42 x 14	60 yd.	15.7 oz.	54 in.
997478	NN8	Dresden Stone	42 x 14	60 yd.	16.2 oz.	54 in.
997626	NW3	Echo Luster	42 x 16	60 yd.	16.2 oz.	54 in.
997621	DBX	Echo Opal	42 x 16	60 yd.	16.2 oz.	54 in.
997623	LFU	Fusion Aegean	42 x 16	60 yd.	16.2 oz.	54 in.

Item #	Style #	Color	Fabric Count	Put Up	Weight	Width
997625	NW2	Fusion Chestnut	42 x 16	60 yd.	16.2 oz.	54 in.
997624	NW1	Fusion Maple	42 x 16	60 yd.	16.2 oz.	54 in.
997283	EH2	Grasscloth Bronze	30 x 14	60 yd.	11.7 oz.	54 in.
997246	CN0	Grasscloth Natural	30 x 14	60 yd.	11.7 oz.	54 in.
997401	YEA	Greek Key Lattice	42 x 14	60 yd.	16.2 oz.	54 in.
997469	EM7	Island Palms Sadat	42 x 14	60 yd.	15.7 oz.	54 in.
997477	LDF	Lattice Greystone	42 x 14	60 yd.	15.7 oz.	54 in.
997496	LEF	Merge Blue Ombre	42 x 16	60 yd.	16.2 oz.	54 in.
997476	LDF	Pompass Grass Indigo	42 x 14	60 yd.	15.7 oz.	54 in.
997480	OEN	Shantung White	42 x 20	60 yd.	17.6 oz.	54 in.
997750	ZBB	Solido Luxe	42 x 14	60 yd.	15.8 oz.	54 in.
997748	LHS	Solido Mirage	42 x 14	60 yd.	15.8 oz.	54 in.
997271	C03	Straw Mat / Cognac	42 x 14	60 yd.	15.7 oz.	54 in.
997407	969	Sumba / Mocha	42 x 14	60 yd.	15.7 oz.	54 in.
997412	OAG	Tropic Foliage	42 x 14	60 yd.	15.7 oz.	54 in.
997251	GP8	Valencia / Blue	30 x 14	60 yd.	11.7 oz.	54 in.
997495	YGF	Victoria Polished Silver	42 x 16	60 yd.	16.2 oz.	54 in.
997205	Z44	Wild Orchid Black	42 x 14	60 yd.	15.5 oz.	54 in.

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Phifertex® Olefin/PVC Blend

This blended upholstery fabric combines the strength of vinyl-encapsulated polyester with the softness of olefin. With a suite of features, the fabric endures weather and repeated use. Choose from a range of modern designs.

Armed with Microban® antimicrobial protection, the material resists mold, mildew, bacteria, stains, and odors. It also defends against fading and tearing for lasting quality.

This product is made in the USA and GREENGUARD® certified.

Suggested uses: outdoor furniture, cushions, sling chairs.

Fabric	Vinyl Ecapsulated Polyester/Olefin Blend Yarns
FR Standards Met	California Technical Bulletin 117, Section E
Warranty	3-Year

Item #	Style #	Color	Fabric Count	Put Up	Weight	Width
997627	NW4	Catania Latte	42 x 24	60 yd.	13.6 oz.	54 in.
997376	BJ4	Chambray Stripe	42 x 24	60 yd.	13.6 oz.	54 in.

Item #	Style #	Color	Fabric Count	Put Up	Weight	Width
997388	BR9	China Brush	42 x 24	60 yd.	13.6 oz.	54 in.
997319	NC4	Crystal Linen Ash	42 x 24	60 yd.	13.6 oz.	54 in.
997318	NC3	Crystal Linen Java	42 x 14	60 yd.	11.5 oz.	54 in.
997483	KY2	Domick Cedar	42 x 24	60 yd.	17.7 oz.	54 in.
997656	XZZ	Double Cross Limestone	42 x 24	60 yd.	13.6 oz.	54 in.
997484	LDG	Greer Indigo	42 x 24	60 yd.	13.6 oz.	54 in.
997317	NB6	Hayden Hickory	42 x 24	60 yd.	17.7 oz.	54 in.
997457	KQ4	Island Stripe Sienna	42 x 24	60 yd.	13.6 oz.	54 in.
997628	NW5	Kipton Pebble	42 x 24	60 yd.	13.6 oz.	54 in.
997453	NH1	Kipton Suede	42 x 24	60 yd.	17.7 oz.	54 in.
997458	DZ7	Laird Willow	42 x 24	60 yd.	13.6 oz.	54 in.
997653	EY3	Mingle Pecan	42 x 24	60 yd.	17.7 oz.	54 in.
997381	BS8	Natural Brush Forest Abbey	42 x 24	60 yd.	13.6 oz.	54 in.
997387	XXH	Natural Brush Forest Pebble	42 x 24	60 yd.	13.6 oz.	54 in.
997450	KW4	Patina Red	42 x 24	60 yd.	17.7 oz.	54 in.
997452	NG9	Patina Stone	42 x 24	60 yd.	17.7 oz.	54 in.
997375	BJ3	Raffia Natural	42 x 22	60 yd.	12.5 oz.	54 in.
997629	YHL	Raffia Stripe Sable	42 x 24	60 yd.	13.6 oz.	54 in.
997485	LEE	Vegas Blues	42 x 20	60 yd.	16.0 oz.	54 in.
997305	XXS	Weston Charcoal	42 x 24	60 yd.	13.6 oz.	54 in.

Phifertex® is a registered trademark of Phifer Inc. Microban® is a registered trademark of Microban Products Company. GREENGUARD® is a registered trademark of GREENGUARD Environmental Institute.





## Sunbrella® Awning/Marine 46 in.

A popular choice for marine use, this fabric is built for the outdoors. The easy-care material provides excellent weather, water, fade, and mildew resistance. Unlike other performance fibers, Sunbrella is flexible and easy to handle. Choose from a wide range of vivid solid colors in Awning/Marine 46-inch Solids. Pair with Sunbrella upholstery fabrics for a unified look. Sunbrella makes it easy to craft beautiful designs that stand up to the elements.

Suggested uses: boat covers, bimini covers, enclosures, marine canvas, sail covers.

<b>Fabric</b>	Sunbrella Acrylic
<b>Finish</b>	Water Repellent
<b>Warranty</b>	10-Year

Item #	Style #	Color	Put Up	Weight	Width
874623	4623-0000	Aquamarine	60 yd.	9 oz.	46 in.
874612	4612-0000	Aruba	60 yd.	9 oz.	46 in.
874668	4668-0000	Aspen	60 yd.	9 oz.	46 in.
874681	4669-0000	Azure	60 yd.	9 oz.	46 in.
874688	4688-0000	Basil	60 yd.	9 oz.	46 in.
874620	4620-0000	Beige	60 yd.	9 oz.	46 in.
874608	4608-0000	Black	60 yd.	9 oz.	46 in.
874640	4640-0000	Black Cherry	60 yd.	9 oz.	46 in.
874631	4631-0000	Burgundy	60 yd.	9 oz.	46 in.
874635	4635-0000	Buttercup	60 yd.	9 oz.	46 in.
874630	4630-0000	Cadet Grey	60 yd.	9 oz.	46 in.
874675	4675-0000	Capri	60 yd.	9 oz.	46 in.
874646	4646-0000	Captain Navy	60 yd.	9 oz.	46 in.
874644	4644-0000	Charcoal Grey	60 yd.	9 oz.	46 in.
874607	4607-0000	Charcoal Tweed	60 yd.	9 oz.	46 in.
874676	4676-0000	Cocoa	60 yd.	9 oz.	46 in.
874665	4665-0000	Concord	60 yd.	9 oz.	46 in.
874662	4662-0000	Crest Ash	60 yd.	9 oz.	46 in.
874660	4660-0000	Crest Birch	60 yd.	9 oz.	46 in.
874606	4606-0000	Dubonnet Tweed	60 yd.	9 oz.	46 in.
874659	4659-0000	Ember	60 yd.	9 oz.	46 in.
874600	4600-0000	Erin Green	60 yd.	9 oz.	46 in.
874671	4671-0000	Fern	60 yd.	9 oz.	46 in.
874637	4637-0000	Forest Green	60 yd.	9 oz.	46 in.
874685	4685-0000	Ginkgo	60 yd.	9 oz.	46 in.
874672	4672-0000	Heather Beige	60 yd.	9 oz.	46 in.
874605	4605-0000	Hemlock Tweed	60 yd.	9 oz.	46 in.
874532	4632-0000	Ivy	60 yd.	9 oz.	46 in.
874603	4603-0000	Jockey Red	60 yd.	9 oz.	46 in.
874633	4633-0000	Linen	60 yd.	9 oz.	46 in.
874654	4654-0000	Linen Tweed	60 yd.	9 oz.	46 in.
874666	4666-0000	Logo Red	60 yd.	9 oz.	46 in.
874667	4667-0000	Mahogany	60 yd.	9 oz.	46 in.
874678	4678-0000	Marine Blue	60 yd.	9 oz.	46 in.
874652	4652-0000	Mediterranean Blue	60 yd.	9 oz.	46 in.
874653	4653-0000	Mediterranean Blue Tweed	60 yd.	9 oz.	46 in.
874616	4616-0000	Mocha Tweed	60 yd.	9 oz.	46 in.
874604	4604-0000	Natural	60 yd.	9 oz.	46 in.
874626	4626-0000	Navy	60 yd.	9 oz.	46 in.
874679	4679-0000	Ocean Blue	60 yd.	9 oz.	46 in.
874609	4609-0000	Orange	60 yd.	9 oz.	46 in.
874642	4642-0000	Oyster	60 yd.	9 oz.	46 in.
874601	4601-0000	Pacific Blue	60 yd.	9 oz.	46 in.
874683	4683-0000	Parchment	60 yd.	9 oz.	46 in.
874643	4643-0000	Persian Green	60 yd.	9 oz.	46 in.



Item #	Style #	Color	Put Up	Weight	Width
874617	4617-0000	Royal Blue Tweed	60 yd.	9 oz.	46 in.
874689	4689-0000	Rust	60 yd.	9 oz.	46 in.
874641	4641-0000	Sapphire Blue	60 yd.	9 oz.	46 in.
874664	4664-0000	Sea	60 yd.	9 oz.	46 in.
874645	4645-0000	Seagrass Green	60 yd.	9 oz.	46 in.
874858	4858-0000	Silica Barley	60 yd.	9 oz.	46 in.
874831	4831-0000	Silica Caribbean	60 yd.	9 oz.	46 in.
874897	4897-0000	Silica Charcoal	60 yd.	9 oz.	46 in.
874859	4859-0000	Silica Dune	60 yd.	9 oz.	46 in.
874670	4833-0000	Silica Gravel	60 yd.	9 oz.	46 in.
874896	4896-0000	Silica Sage	60 yd.	9 oz.	46 in.
874860	4860-0000	Silica Sesame	60 yd.	9 oz.	46 in.
874862	4862-0000	Silica Silver	60 yd.	9 oz.	46 in.
874861	4861-0000	Silica Stone	60 yd.	9 oz.	46 in.
874651	4651-0000	Silver	60 yd.	9 oz.	46 in.
874624	4624-0000	Sky Blue	60 yd.	9 oz.	46 in.
874684	4684-0000	Slate	60 yd.	9 oz.	46 in.
874615	4615-0000	Smoke	60 yd.	9 oz.	46 in.
874673	4673-0000	Spa	60 yd.	9 oz.	46 in.
874669	4636-0000	Storm	60 yd.	9 oz.	46 in.
874602	4602-0000	Sunflower Yellow	60 yd.	9 oz.	46 in.
874614	4614-0000	Tan	60 yd.	9 oz.	46 in.
874648	4648-0000	Taupe	60 yd.	9 oz.	46 in.
874622	4622-0000	Terracotta	60 yd.	9 oz.	46 in.
874628	4628-0000	Toast	60 yd.	9 oz.	46 in.
874696	4696-0000	Tresco Birch	60 yd.	9 oz.	46 in.
874658	4658-0000	Tresco Brass	60 yd.	9 oz.	46 in.
874699	4699-0000	Tresco Brick	60 yd.	9 oz.	46 in.
874698	4698-0000	Tresco Clay	60 yd.	9 oz.	46 in.
874695	4695-0000	Tresco Linen	60 yd.	9 oz.	46 in.
874621	4621-0000	True Brown	60 yd.	9 oz.	46 in.
874610	4610-0000	Turquoise	60 yd.	9 oz.	46 in.
874677	4677-0000	Tuscan	60 yd.	9 oz.	46 in.
874618	4618-0000	Walnut Brown Tweed	60 yd.	9 oz.	46 in.
874674	4674-0000	Wheat	60 yd.	9 oz.	46 in.
874680	4634-0000	White	60 yd.	9 oz.	46 in.

Sunbrella® is a registered trademark of Glen Raven, Inc.



## Sunbrella® Awning/Marine Solids 60 in.

Popular in marine applications, this fabric is built for the outdoors. The easy-maintenance material fights fading, weather, water, and mildew. Unlike other technical fabrics, Sunbrella is flexible and easy to handle. Select from a wide variety of bold solid colors in Awning/Marine 60-inch Solids. Coordinate with Sunbrella upholstery fabrics for a sleek look. Sunbrella makes it easy to create beautiful designs that outperform the elements.

Suggested uses: boat covers, bimini covers, enclosures, marine canvas, sail covers.

Fabric	Sunbrella Acrylic
Finish	Water Repellent
Warranty	10-Year

Item #	Style #	Color	Put Up	Weight	Width
721760	6023-0000	Aquamarine	60 yd.	9 oz.	60 in.
721766	6012-0000	Aruba	60 yd.	9 oz.	60 in.
721802	6068-0000	Aspen	60 yd.	9 oz.	60 in.
721797	6069-0000	Azure	60 yd.	9 oz.	60 in.
721824	6088-0000	Basil	60 yd.	9 oz.	60 in.
721790	6020-0000	Beige	60 yd.	9 oz.	60 in.
721755	6008-0000	Black	60 yd.	9 oz.	60 in.
721774	6040-0000	Black Cherry	60 yd.	9 oz.	60 in.
721765	6031-0000	Burgundy	60 yd.	9 oz.	60 in.
721770	6035-0000	Buttercup	60 yd.	9 oz.	60 in.
721764	6030-0000	Cadet Grey	60 yd.	9 oz.	60 in.
721809	6075-0000	Capri	60 yd.	9 oz.	60 in.
721780	6046-0000	Captain Navy	60 yd.	9 oz.	60 in.
721778	6044-0000	Charcoal Grey	60 yd.	9 oz.	60 in.
721747	6007-0000	Charcoal Tweed	60 yd.	9 oz.	60 in.
721810	6076-0000	Cocoa	60 yd.	9 oz.	60 in.
721799	6065-0000	Concord	60 yd.	9 oz.	60 in.
721754	6006-0000	Dubonnet Tweed	60 yd.	9 oz.	60 in.

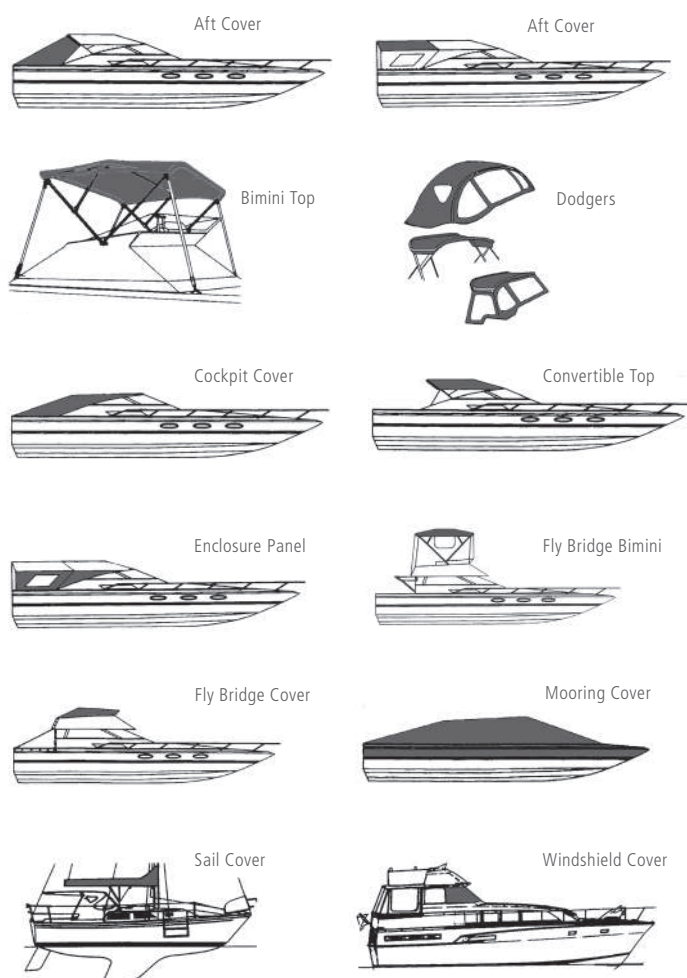
Item #	Style #	Color	Put Up	Weight	Width
721745	6000-0000	Erin Green	60 yd.	9 oz.	60 in.
721805	6071-0000	Fern	60 yd.	9 oz.	60 in.
721771	6037-0000	Forest Green	60 yd.	9 oz.	60 in.
721821	6085-0000	Ginkgo	60 yd.	9 oz.	60 in.
721806	6072-0000	Heather Beige	60 yd.	9 oz.	60 in.
721753	6005-0000	Hemlock Tweed	60 yd.	9 oz.	60 in.
721832	6032-0000	Ivy	60 yd.	9 oz.	60 in.
721751	6003-0000	Jockey Red	60 yd.	9 oz.	60 in.
721767	6033-0000	Linen	60 yd.	9 oz.	60 in.
721788	6054-0000	Linen Tweed	60 yd.	9 oz.	60 in.
721800	6066-0000	Logo Red	60 yd.	9 oz.	60 in.
721801	6067-0000	Mahogany	60 yd.	9 oz.	60 in.
721812	6078-0000	Marine Blue	60 yd.	9 oz.	60 in.
721786	6052-0000	Mediterranean Blue	60 yd.	9 oz.	60 in.
721787	6053-0000	Mediterranean Blue Tweed	60 yd.	9 oz.	60 in.
721823	6087-0000	Mineral Blue	60 yd.	9 oz.	60 in.
721743	6016-0000	Mocha Tweed	60 yd.	9 oz.	60 in.
721752	6004-0000	Natural	60 yd.	9 oz.	60 in.
721762	6026-0000	Navy	60 yd.	9 oz.	60 in.
721822	6086-0000	Nutmeg	60 yd.	9 oz.	60 in.
721813	6079-0000	Ocean Blue	60 yd.	9 oz.	60 in.
721741	6009-0000	Orange	60 yd.	9 oz.	60 in.
721776	6042-0000	Oyster	60 yd.	9 oz.	60 in.
721750	6001-0000	Pacific Blue	60 yd.	9 oz.	60 in.
721817	6083-0000	Parchment	60 yd.	9 oz.	60 in.
721777	6043-0000	Persian Green	60 yd.	9 oz.	60 in.
721757	6017-0000	Royal Blue Tweed	60 yd.	9 oz.	60 in.
721739	2079-0060	Royal Navy	60 yd.	9 oz.	60 in.
721825	6089-0000	Rust	60 yd.	9 oz.	60 in.
721768	6027-0000	Salmon	60 yd.	9 oz.	60 in.
721775	6041-0000	Sapphire Blue	60 yd.	9 oz.	60 in.
721779	6045-0000	Seagrass Green	60 yd.	9 oz.	60 in.
721785	6051-0000	Silver	60 yd.	9 oz.	60 in.
721761	6024-0000	Sky Blue	60 yd.	9 oz.	60 in.
721818	6084-0000	Slate	60 yd.	9 oz.	60 in.
721815	6015-0000	Smoke	60 yd.	9 oz.	60 in.
721807	6073-0000	Spa	60 yd.	9 oz.	60 in.
721746	6002-0000	Sunflower Yellow	60 yd.	9 oz.	60 in.
721742	6014-0000	Tan	60 yd.	9 oz.	60 in.
721782	6048-0000	Taupe	60 yd.	9 oz.	60 in.
721784	6050-0000	Teal Tweed	60 yd.	9 oz.	60 in.
721744	6022-0000	Terracotta	60 yd.	9 oz.	60 in.
721763	6028-0000	Toast	60 yd.	9 oz.	60 in.
721872	2389-0060	Toast Tweed	60 yd.	9 oz.	60 in.
721827	6096-0000	Tresco Birch	60 yd.	9 oz.	60 in.
721795	6058-0000	Tresco Brass	60 yd.	9 oz.	60 in.
721830	6099-0000	Tresco Brick	60 yd.	9 oz.	60 in.

Item #	Style #	Color	Put Up	Weight	Width
721829	6098-0000	Tresco Clay	60 yd.	9 oz.	60 in.
721828	6097-0000	Tresco Ginger	60 yd.	9 oz.	60 in.
721814	6094-0000	Tresco Indigo	60 yd.	9 oz.	60 in.
721826	6095-0000	Tresco Linen	60 yd.	9 oz.	60 in.
721759	6021-0000	True Brown	60 yd.	9 oz.	60 in.
721748	6010-0000	Turquoise	60 yd.	9 oz.	60 in.
721811	6077-0000	Tuscan	60 yd.	9 oz.	60 in.
721758	6018-0000	Walnut Brown Tweed	60 yd.	9 oz.	60 in.
721808	6074-0000	Wheat	60 yd.	9 oz.	60 in.
721796	6034-0000	White	60 yd.	9 oz.	60 in.

Sunbrella® is a registered trademark of Glen Raven, Inc.

## STANDARD MARINE STYLES

(Courtesy of The Marine Fabricators Association)





## Sunbrella® Awning/Marine Solids 80 in.

A popular pick for marine use, this fabric is developed for the outdoors. The easy-care material combats weather, fading, water, and mildew. Unlike other performance fabrics, Sunbrella is flexible and easy to work with. Choose from a wide assortment of high-depth solid colors in Awning/Marine 80-inch Solids. The wider width makes it ideal for larger projects. Pair with Sunbrella upholstery fabrics for a streamlined look. Sunbrella makes it easy to craft stunning designs that outlast the elements.

Suggested uses: boat covers, bimini covers, enclosures, marine canvas, sail covers.

Fabric	Sunbrella Acrylic
Finish	Water Repellent
Warranty	10-Year

Item #	Style #	Color	Put Up	Weight	Width
722308	80008-0000	Black	50 yd.	9 oz.	80 in.
722331	80031-0000	Burgundy	50 yd.	9 oz.	80 in.
722330	80030-0000	Cadet Grey	50 yd.	9 oz.	80 in.
722346	80046-0000	Captain Navy	50 yd.	9 oz.	80 in.
722329	80044-0000	Charcoal Grey	50 yd.	9 oz.	80 in.
722337	80037-0000	Forest Green	50 yd.	9 oz.	80 in.
722372	80072-0000	Heather Beige	50 yd.	9 oz.	80 in.
722303	80003-0000	Jockey Red	50 yd.	9 oz.	80 in.
722333	80033-0000	Linen	50 yd.	9 oz.	80 in.
722378	80078-0000	Marine Blue	50 yd.	9 oz.	80 in.
722326	80026-0000	Navy	50 yd.	9 oz.	80 in.
722301	80001-0000	Pacific Blue	50 yd.	9 oz.	80 in.
722384	80084-0000	Slate	50 yd.	9 oz.	80 in.
722328	80028-0000	Toast	50 yd.	9 oz.	80 in.
722321	80021-0000	True Brown	50 yd.	9 oz.	80 in.
722334	80034-0000	White	50 yd.	9 oz.	80 in.

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## Sunbrella® Plus 60 in.

Sunbrella Plus is a traditional Sunbrella awning and marine fabric with a durable urethane-based undercoating for superior water resistance. Sunbrella Plus uses standard Sunbrella colors for easy color coordination and is ideal wherever water resistance is essential.

Suggested uses: boat covers, bimini covers, T-tops, dodgers, enclosures, exterior storage.

Fabric	Sunbrella Acrylic
Finish	Face: Water Repellent, Back: Urethane-Based
Warranty	5-Year

Item #	Style #	Color	Put Up	Weight	Width
728423	8423-0000	Aquamarine	60 yd.	10 oz.	60 in.
728408	8408-0000	Black	60 yd.	10 oz.	60 in.
728431	8431-0000	Burgundy	60 yd.	10 oz.	60 in.
728430	8430-0000	Cadet Grey	60 yd.	10 oz.	60 in.
728446	8446-0000	Captain Navy	60 yd.	10 oz.	60 in.
728406	8406-0000	Dubonnet Tweed	60 yd.	10 oz.	60 in.
728437	8437-0000	Forest Green	60 yd.	10 oz.	60 in.
728403	8403-0000	Jockey Red	60 yd.	10 oz.	60 in.
728404	8404-0000	Natural	60 yd.	10 oz.	60 in.
728442	8442-0000	Oyster	60 yd.	10 oz.	60 in.
728401	8401-0000	Pacific Blue	60 yd.	10 oz.	60 in.
728443	8443-0000	Persian Green	60 yd.	10 oz.	60 in.
728417	8417-0000	Royal Blue Tweed	60 yd.	10 oz.	60 in.
728428	8428-0000	Toast	60 yd.	10 oz.	60 in.

Sunbrella® is a registered trademark of Glen Raven, Inc.



## Sunbrella® Plus 80 in.

Sunbrella Plus is a marine fabric with a urethane-based undercoating for leading water resistance. Sunbrella Plus uses classic Sunbrella colors for easy pairing. Ideal for on-the-water conditions, it defends against mildew.

Suggested uses: boat covers, bimini covers, T-tops, dodgers, enclosures, exterior storage.

<b>Fabric</b>	Sunbrella Acrylic
<b>Finish</b>	Face: Water Repellent, Back: Urethane-Based
<b>Warranty</b>	5-Year

Item #	Style #	Color	Put Up	Weight	Width
728508	84008-0000	Black	50 yd.	10 oz.	80 in.
728531	84031-0000	Burgundy	50 yd.	10 oz.	80 in.
728530	84030-0000	Cadet Grey	50 yd.	10 oz.	80 in.
728546	84046-0000	Captain Navy	50 yd.	10 oz.	80 in.
728501	84001-0000	Pacific Blue	50 yd.	10 oz.	80 in.
728528	84028-0000	Toast	50 yd.	10 oz.	80 in.

Sunbrella® is a registered trademark of Glen Raven, Inc.

## Sunbrella® SeaMark®

An exterior grade, waterproof burbank grain marine fabric. Made by combining Sunbrella fabric with a textured marine grade vinyl. Ideal for boat tops and covers. Also used for tonneau and equipment covers.

<b>Fabric</b>	Sunbrella Acrylic Bonded to Vinyl
<b>Finish</b>	Top: Fluorocarbon Finish. Back: Textured Marine Grade Vinyl for Waterproof Finish.
<b>Warranty</b>	5-Year

Item #	Style #	Color	Put Up	Weight	Width
726895	2095-0063	Black	50 yd.	16 oz.	60 in.
726911	2111-0063	Black / Linen	50 yd.	16 oz.	60 in.
726897	2097-0063	Cadet Grey	50 yd.	16 oz.	60 in.
726898	2098-0063	Captain Navy	50 yd.	16 oz.	60 in.
726910	2110-0063	Charcoal Grey	50 yd.	16 oz.	60 in.
726905	2105-0063	Charcoal Tweed	50 yd.	16 oz.	60 in.
726902	2102-0063	Dubonnet Tweed	50 yd.	16 oz.	60 in.
726909	2109-0063	Forest Green	50 yd.	16 oz.	60 in.
726899	2099-0063	Hemlock Tweed	50 yd.	16 oz.	60 in.
726904	2104-0063	Linen	50 yd.	16 oz.	60 in.
726896	2096-0063	Linen Tweed	50 yd.	16 oz.	60 in.
726906	2106-0063	Mediterranean Blue Tweed	50 yd.	16 oz.	60 in.
726907	2107-0063	Navy	50 yd.	16 oz.	60 in.
726901	2101-0063	Oyster	50 yd.	16 oz.	60 in.
726908	2108-0063	Pacific Blue	50 yd.	16 oz.	60 in.

Item #	Style #	Color	Put Up	Weight	Width
726903	2103-0063	Royal Blue Tweed	50 yd.	16 oz.	60 in.
726912	2112-0063	Smoke / Cadet Grey	50 yd.	16 oz.	60 in.
726900	2100-0063	Toast Tweed	50 yd.	16 oz.	60 in.

SeaMark® is a registered trademark of the Haartz Corporation. Sunbrella® is a registered trademark of Glen Raven, Inc.



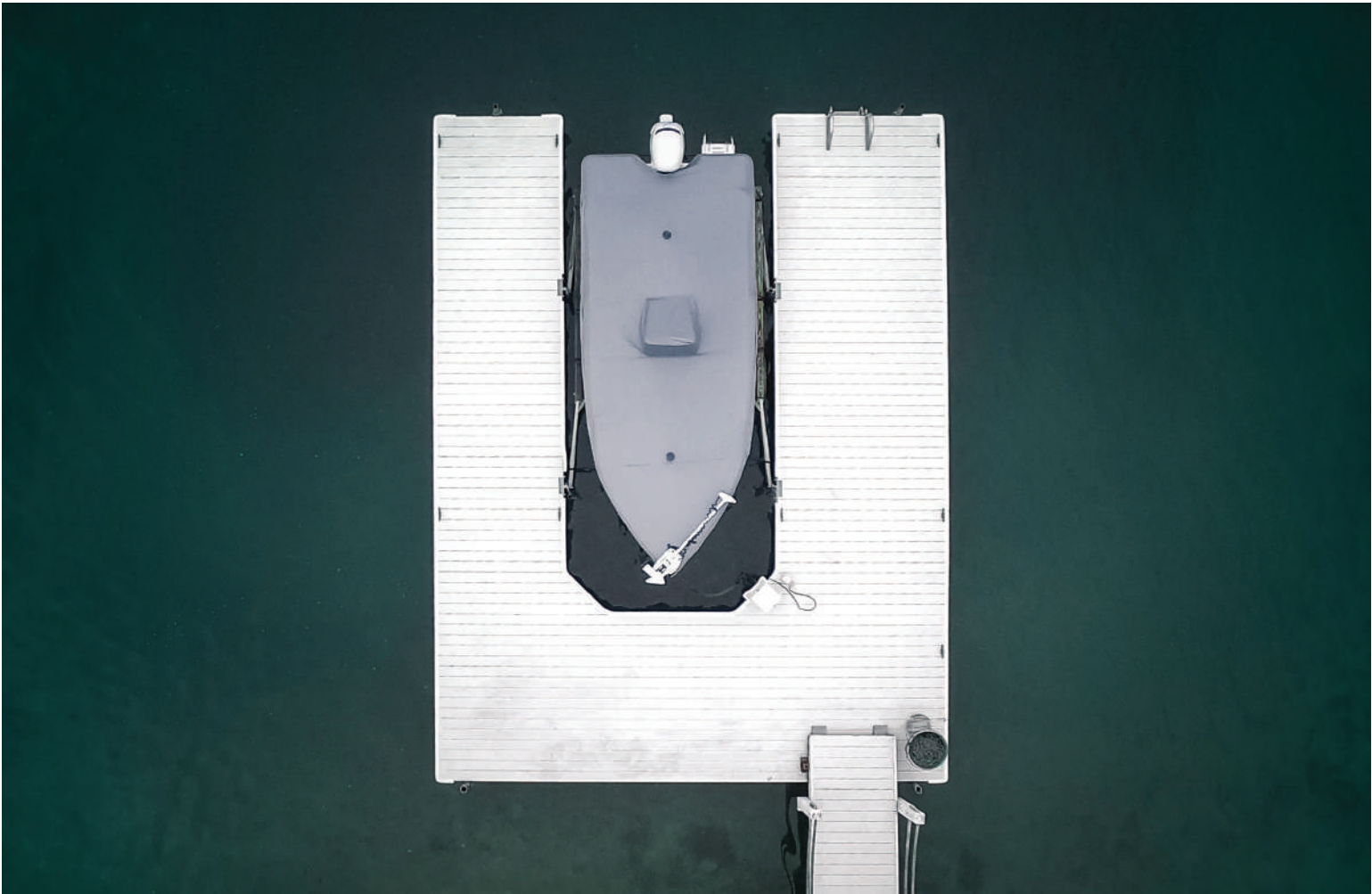
## Sunbrella® Supreme

Sunbrella Supreme is a luxurious, waterproof exterior marine fabric featuring Sunbrella canvas on the exterior face and a special Sunbrella flocking on the reverse side. The unique bonding process creates a waterproof Sunbrella canvas with a beautifully soft headliner underneath.

<b>Fabric</b>	Sunbrella Acrylic
<b>Finish</b>	Water Repellent
<b>Warranty</b>	5-Year

Item #	Style #	Color	Put Up	Weight	Width
722203	9408-0000	Black / Black	40 yd.	12.5 oz.	60 in.
722204	9408-0001	Black / Linen	40 yd.	12.5 oz.	60 in.
722215	9446-0000	Captain Navy / Captain Navy	40 yd.	12.5 oz.	60 in.
722216	9446-0001	Captain Navy / Linen	40 yd.	12.5 oz.	60 in.
722212	9433-0000	Linen / Linen	40 yd.	12.5 oz.	60 in.

Sunbrella® is a registered trademark of Glen Raven, Inc.



## Aqualon® Edge

Aqualon Edge is an exclusive product from Trivantage®, featuring Perfecta Marine® technology. Aqualon Edge with Perfecta Marine technology provides superior heat reduction and heat reflection, and exceptional UV performance. Featuring innovative technology and these enhanced benefits, Trivantage offers an industry leading 7-year warranty for this hybrid coated fabric.

Because Aqualon Edge is not a breathable fabric, the use of vents when fabricating mooring covers is recommended. This fabric is non-flame retardant, and should not be exposed to direct flame or extreme heat.

Fabric	Two-Ply Polyester Duck
Finish	Vinyl Resin Top Coated with Underside Coated with a Durable Water Resistant Finish
Warranty	7-Year

Item #	Style #	Color	Put Up	Weight	Width
776217	5917	Alpine White	65 yd.	8.75 oz.	60 in.
776207	5907	Apple Red	65 yd.	8.75 oz.	60 in.
776244	5944	Atlantic Blue	65 yd.	8.75 oz.	60 in.
776268	5968	Basic Beige	65 yd.	8.75 oz.	60 in.
776200	5900	Black Onyx	65 yd.	8.75 oz.	60 in.
776209	5909	Cabernet	65 yd.	8.75 oz.	60 in.
776218	5918	Charcoal Grey	65 yd.	8.75 oz.	60 in.

Item #	Style #	Color	Put Up	Weight	Width
776213	5913	Cherry Red	65 yd.	8.75 oz.	60 in.
776242	5942	Classic Silver	65 yd.	8.75 oz.	60 in.
776208	5908	Coastal Ivory	65 yd.	8.75 oz.	60 in.
776269	5969	Indigo Blue	65 yd.	8.75 oz.	60 in.
776203	5903	Ivy Green	65 yd.	8.75 oz.	60 in.
776221	5921	Mountain Taupe	65 yd.	8.75 oz.	60 in.
776228	5928	Nautical Navy	65 yd.	8.75 oz.	60 in.
776225	5925	Oxford Tan	65 yd.	8.75 oz.	60 in.
776205	5905	Scarlet	65 yd.	8.75 oz.	60 in.
776271	5971	Slate Grey	65 yd.	8.75 oz.	60 in.
776249	5949	Toast	65 yd.	8.75 oz.	60 in.
776212	5912	True Blue	65 yd.	8.75 oz.	60 in.
776204	5904	True Teal	65 yd.	8.75 oz.	60 in.

Aqualon® and Trivantage® are registered trademarks of Glen Raven, Inc. Perfecta Marine® is a registered trademark of Woodhead, LLC.



## Aqualon® Edge Soft

Aqualon® Edge Soft is an exclusive hybrid performance fabric from Trivantage®, combining the performance of Aqualon Edge with the protection of a soft warp knit backing. It features a front fabric coated with Perfecta Marine® technology that creates superior heat reduction, heat reflection and exceptional UV performance. The backing, made of warp knit polyester fabric, provides an abrasion-resistant surface that's safe to use against sensitive gelcoats, critical painted surfaces and delicate objects.

Suggested uses: covers for antique boats, patio furniture, grill covers, RV windshields, airplane covers and others.

<b>Fabric</b>	Two-Ply Polyester Duck
<b>Finish</b>	Vinyl Resin Top Coated with Underside Napped 100% Polyester Tricot Knit
<b>Warranty</b>	7-Year on Fabric Face

Item #	Style #	Color	Put Up	Weight	Width
774609	5917ES	Alpine White	65 yd.	11 oz.	59 in.
774615	5944ES	Atlantic Blue	65 yd.	11 oz.	59 in.
774617	5968ES	Basic Beige	65 yd.	11 oz.	59 in.
774600	5900ES	Black Oynx	65 yd.	11 oz.	59 in.
774606	5909ES	Cabernet	65 yd.	11 oz.	59 in.
774610	5918ES	Charcoal Grey	65 yd.	11 oz.	59 in.
774608	5913ES	Cherry Red	65 yd.	11 oz.	59 in.
774614	5942ES	Classic Silver	65 yd.	11 oz.	59 in.
774601	5903ES	Ivy Green	65 yd.	11 oz.	59 in.
774612	5925ES	Oxford Tan	65 yd.	11 oz.	59 in.
774619	5971ES	Slate Grey	65 yd.	11 oz.	59 in.

Aqualon® and Trivantage® are registered trademarks of Glen Raven, Inc. Perfecta Marine® is a registered trademark of Woodhead, LLC.

## HarborTime® Edge

HarborTime® Edge is an exclusive product from Trivantage® featuring Perfecta Marine® technology, providing superior heat reduction, heat reflection, and exceptional UV performance. This highly water repellent, mildew and UV resistant fabric offers superior strength and long-lasting color. Stabilized for minimum stretch or shrinkage will ensure continuous fit throughout application. Offered with an industry leading 7-year warranty.

Because HarborTime is not a breathable fabric, the use of vents when fabricating mooring covers is recommended. This fabric is non-flame retardant, and should not be exposed to direct flame or extreme heat.

<b>Fabric</b>	Polyester
<b>Finish</b>	Pigmented Vinyl Coated
<b>Warranty</b>	7-Year

Item #	Color	Put Up	Weight	Width
775943	Alpine White	50 yd.	11 oz.	60 in.
775936	Antique Beige	50 yd.	11 oz.	60 in.
775940	Beige Suede	50 yd.	11 oz.	60 in.
775941	Cardinal Red	50 yd.	11 oz.	60 in.
775942	Chestnut	50 yd.	11 oz.	60 in.
775933	Cordovan	50 yd.	11 oz.	60 in.
775930	Driftwood	50 yd.	11 oz.	60 in.
775939	Mallard Green	50 yd.	11 oz.	60 in.
775937	Nautical Blue	50 yd.	11 oz.	60 in.
775938	Onyx	50 yd.	11 oz.	60 in.
775932	Putty	50 yd.	11 oz.	60 in.
775935	Shale	50 yd.	11 oz.	60 in.
775934	Storm Grey	50 yd.	11 oz.	60 in.
775931	Surf	50 yd.	11 oz.	60 in.
775944	True Teal	50 yd.	11 oz.	60 in.

HarborTime® and Trivantage® are registered trademarks of Glen Raven, Inc. Perfecta Marine® is a registered trademark of Woodhead, LLC.





## HarborTime® Edge HD

HarborTime® Edge HD is a heavy-duty version HarborTime Edge. Like Edge, Edge HD features Perfecta Marine® technology, providing superior heat reduction, heat reflection, and exceptional UV performance. This highly water repellent, mildew and UV resistant fabric offers superior strength and long-lasting color. Stabilized for minimum stretch or shrinkage will ensure continuous fit throughout application. Offered with an industry leading 7-year warranty.

Because HarborTime is not a breathable fabric, the use of vents when fabricating mooring covers is recommended. This fabric is non-flame retardant, and should not be exposed to direct flame or extreme heat.

Fabric	Polyester
Finish	Pigmented Vinyl Coated
Warranty	7-Year

Item #	Color	Put Up	Weight	Width
775952	Beige Suede	50 yd.	13 oz.	62 in.
775951	Onyx	50 yd.	13 oz.	62 in.
775950	Shale	50 yd.	13 oz.	62 in.

HarborTime® and Trivantage® are registered trademarks of Glen Raven, Inc. Perfecta Marine® is a registered trademark of Woodhead, LLC.

## Sea-Spraé®

Economical and super lightweight, Sea-Spraé is the perfect choice for lightweight bimini tops and other marine craft covers. The fabric resists water, dirt and UV rays, and is stabilized for minimum stretch and shrinkage. This durable fabric is flexible and easy to fabricate, and has excellent tear and tensile strength. Sea-Spraé features proprietary back coating to prevent color transfer, however, a clear vinyl patch should be sewn at contact points when total protection against rub-off is desired.

Fabric	Polyester
Finish	Acrylic Coated
Warranty	3-Year

Item #	Style #	Color	Put Up	Weight	Width
775757	SEA27	Bay Blue	100 yd.	6.25 oz.	64 in.

Item #	Style #	Color	Put Up	Weight	Width
775760	SEA30	Black	100 yd.	6.25 oz.	64 in.
775796	SEA96	Burgundy	100 yd.	6.25 oz.	64 in.
775762	SEA32	Dark Green	100 yd.	6.25 oz.	64 in.
775753	SEA23	Dark Grey	100 yd.	6.25 oz.	64 in.
775776	SEA46	Sandpiper Grey	100 yd.	6.25 oz.	64 in.
775755	SEA25	Toast	100 yd.	6.25 oz.	64 in.
775756	SEA26	White	100 yd.	6.25 oz.	64 in.

Sea-Spraé® is a registered trademark of Glen Raven, Inc.



## Sur Last®

Sur Last can be used for many applications that require UV protection, including boat covers, bimini tops, boat storage covers, furniture covers, tonneau covers, luggage, and camping enclosures just to name a few. Sur Last is a very colorfast protective material, and because it is solution- dyed, the colors will not fade or wash out. Sur Last stands up to wind, rain, pollutants and chemicals that will make other fabrics fade. It has high UV, mold and mildew resistance, excellent tear and abrasion resistance, and is non-abrasive to gelcoat and other popular marine finishes. Sur Last also features outstanding silk screen adhesion.

Fabric	100% Solution Dyed Polyester
Finish	3/4 oz. Urethane Back Coating
Warranty	3-Year

Item #	Style #	Color	Put Up	Weight	Width
777166	3866	Admiral Navy	100 yd.	7 oz.	60 in.

Item #	Style #	Color	Put Up	Weight	Width
777154	3854	Black	100 yd.	7 oz.	60 in.
777160	3860	Forest	100 yd.	7 oz.	60 in.
777162	3862	Light Grey	100 yd.	7 oz.	60 in.
777151	3851	Navy Weave	100 yd.	7 oz.	60 in.
777153	3853	Sand	100 yd.	7 oz.	60 in.

Sur Last® is a registered trademark of Glen Raven, Inc.



## Webblon® Regatta® Yacht Fabric

For all pleasure craft, power or sail, Webblon Regatta Yacht Fabric with Rain Kleen® finish provides the best answer for fabric accessories such as boom awnings, bimini, sun, curtains, dodgers, enclosures, cushions, mooring and protective covers.

Regatta Yacht Fabric is designed specifically for the rigorous topside exposure. This fabric is not for use for trailering covers.

Regatta is a lamination of two plies of specially formulated vinyl with an inner, reinforcing core fabric woven from high strength polyester. Regatta's exclusive Rain Kleen finish on the weather side provides ease of cleaning, prolongs the life of the fabric and adds to the pleasing appearance of the surface.

Regatta Offers You These Advantages:

- Waterproof and Mildew Resistant
- High, Lasting Strength – Lightweight
- Dimensional Stability
- Age, Stain and Fade Resistance
- Abrasion Resistance
- White Tops Reflect Heat – Pastel Linings Relieve Glare
- Wide Color Selection

Weight varies slightly from color to color. Weight and roll size nominal. These values are subject to slight variations and are not intended to be used as specifications.

<b>Fabric</b>	Polyester
<b>Finish</b>	Vinyl Laminated, Embossed Rain Kleen®
<b>Warranty</b>	5-Year

Item #	Style #	Color	Put Up	Weight	Width
975625	D-62445	Black / Black	50 yd.	13 oz.	62 in.
975611	D-62439	Ivory / Ivory	50 yd.	13 oz.	62 in.
975529	D-62429	White / Driftwood	50 yd.	13 oz.	62 in.
975503	D-62416	White / Foam Green	50 yd.	13 oz.	62 in.
975502	D-62415	White / Mist Blue	50 yd.	13 oz.	62 in.
975501	D-62417	White / White	50 yd.	13 oz.	62 in.

Webblon®, Regatta® and Rain Kleen® are registered trademarks of Herculite Products Inc.

## Herculite® Riviera Marine Fabric™

Herculite Riviera Marine Fabric is specifically formulated with high quality vinyl that features a soft, supple hand for easy fabrication. Riviera is suited for a variety of marine applications, such as bimini tops, enclosure curtains, and cockpit and stationary boat covers.

Riviera is colorfast, mildew resistant and waterproof. The fabric's exclusive top coat provides ease of cleaning, prolongs the life of the fabric and adds to the fabric's pleasing appearance. Matching binding is available for all products.

<b>Fabric</b>	100% PVC Composite Supported by a High Strength Woven Polyester
<b>Finish</b>	Top Coat
<b>Warranty</b>	5-Year

Item #	Style #	Color	Put Up	Weight	Width
975167	167	Ivory	50 yd.	15 oz.	61 in.
975165	166	Snow White	33 yd.	15 oz.	78 in.
975166	166	Snow White	50 yd.	15 oz.	61 in.
975164	168	White	33 yd.	15 oz.	78 in.
975168	168	White	50 yd.	15 oz.	61 in.

Herculite® is a registered trademark of Herculite Products Inc. Herculite Riviera Marine Fabric™ is a trademark of Herculite Products Inc.



## Serge Ferrari Stamoid® Heavy Cover 102 in.

Stamoid Heavy Cover is a mid-weight, polyester fabric with a vinyl-coated topside. The robust fabric offers outstanding features, making it ideal for use on motor boats, yachts, and sailing boats.

Dimensional stability provides long-lasting durability for boats of all sizes. Stamoid Heavy Cover is colorfast, mildew resistant, and waterproof. It maintains its flexibility in temperature extremes from the hot tropics to near-zero temperatures. Stamoid’s vinyl coating assures dirt resistance and cleanability.

Suggested uses: cockpit covers, protective covers, console covers, large covers, winter covers.

Fabric	High-Tenacity Polyester
Finish	Vinyl Coated Top Side
Warranty	5-Year

Item #	Style #	Color	Put Up	Weight	Width
742186	4313	Cloud Grey	33 yd.	14 oz.	102.36 in.
742181	4313	Navy	33 yd.	14 oz.	102.36 in.
742184	4313	Pearl Grey	33 yd.	14 oz.	102.36 in.
742180	4313	White	33 yd.	14 oz.	102.36 in.

Stamoid® is a registered trademark of The Serge Ferrari Group.

## Serge Ferrari Stamoid® Light 59 in.

Stamoid Light 59” is a lightweight, polyester fabric with a vinyl-coated topside. Its compact construction makes it ideal for equipment covers and other marine applications.

Dimensional stability provides long-term durability for boats of all sizes. Stamoid Light is colorfast, mildew resistant, and waterproof. It maintains its flexibility in temperature extremes from the hot tropics to near-zero temperatures. Stamoid’s vinyl coating assures dirt resistance and easy cleaning.

Suggested uses: equipment covers, flybridge covers, furling sail covers, console covers, dinghy covers, shadesails.

Fabric	High-Tenacity Polyester
Finish	Vinyl Coated Top Side
Warranty	5-Year

Item #	Style #	Color	Put Up	Weight	Width
742014	F4128	Black	54.7 yd.	8.3 oz.	59 in.
742018	F4128	Bordeaux	54.7 yd.	8.3 oz.	59 in.
742019	F4128	Cloud Grey	54.7 yd.	8.3 oz.	59 in.
742001	F4128	Cream	54.7 yd.	8.3 oz.	59 in.
742017	F4128	Desert	54.7 yd.	8.3 oz.	59 in.
742008	F4128	Evergreen	54.7 yd.	8.3 oz.	59 in.
742002	F4128	Ivory	54.7 yd.	8.3 oz.	59 in.
742010	F4128	Navy	54.7 yd.	8.3 oz.	59 in.
742004	F4128	Pearl Grey	54.7 yd.	8.3 oz.	59 in.
742009	F4128	Royal Blue	54.7 yd.	8.3 oz.	59 in.
742003	F4128	Sand	54.7 yd.	8.3 oz.	59 in.
742005	F4128	Silver	54.7 yd.	8.3 oz.	59 in.
742013	F4128	Snow White	54.7 yd.	8.3 oz.	59 in.
742000	F4128	White	54.7 yd.	8.3 oz.	59 in.

Stamoid® is a registered trademark of The Serge Ferrari Group.

## Serge Ferrari Stamoid® Light 80 in.

Stamoid Light 80” offers a wider width than Light 59” for mid-sized projects. Stamoid Light is a lightweight, polyester fabric with a vinyl-coated topside. Its compact structure makes it great for equipment covers and other marine applications.

Dimensional stability provides lasting durability for boats of all sizes. Stamoid Light is mildew resistant, waterproof, and colorfast. It keeps its flexibility in temperature extremes from the hot tropics to near-zero temperatures. Stamoid’s vinyl coating assures dirt resistance and easy cleaning.

Suggested uses: equipment covers, flybridge covers, furling sail covers, console covers, dinghy covers, shadesails.

Fabric	High-Tenacity Polyester
Finish	Vinyl Coated Top Side
Warranty	5-Year

Item #	Style #	Color	Put Up	Weight	Width
742052	F4128	Ivory	32.8 yd.	8.3 oz.	80 in.
742064	F4128	Snow White	32.8 yd.	8.3 oz.	80 in.
742050	F4128	White	32.8 yd.	8.3 oz.	80 in.

Stamoid® is a registered trademark of The Serge Ferrari Group.



## Serge Ferrari Stamoid® Light 102 in.

Stamoid Light 102" provides a wider width for larger projects. Stamoid Light is a lightweight, polyester fabric with a vinyl-coated topside. Its compact structure makes it great for equipment covers and other marine applications.

Its dimensional stability provides lasting durability for boats of all sizes. Stamoid Light is mildew resistant, waterproof, and colorfast. It keeps its flexibility in temperature extremes from the hot tropics to near-zero temperatures. Stamoid's vinyl coating assures dirt resistance and easy cleaning.

Suggested uses: equipment covers, flybridge covers, furling sail covers, console covers, dinghy covers, shadesails.

<b>Fabric</b>	High-Tenacity Polyester
<b>Finish</b>	Vinyl Coated Top Side
<b>Warranty</b>	5-Year

Item #	Style #	Color	Put Up	Weight	Width
742072	F4128	Black	32.8 yd.	8.3 oz.	102 in.
742074	F4128	Charcoal	32.8 yd.	8.3 oz.	102 in.
742075	F4128	Cream	32.8 yd.	8.3 oz.	102 in.
742080	F4128	Royal Blue	32.8 yd.	8.3 oz.	102 in.
742081	F4128	Sand	32.8 yd.	8.3 oz.	102 in.
742071	F4128	Snow White	32.8 yd.	8.3 oz.	102 in.
742082	F4128	Taupe	32.8 yd.	8.3 oz.	102 in.
742070	F4128	White	32.8 yd.	8.3 oz.	102 in.

Stamoid® is a registered trademark of The Serge Ferrari Group.

## Serge Ferrari Stamoid® Open 102 in.

Stamoid Open is a heavyweight, polyester fabric with a vinyl coating on both sides. It is the most robust option in the Stamoid collection. The marine fabric offers outstanding features for a variety of outdoor marine applications.

Top dimensional stability provides long-lasting durability for all-sized boats. Stamoid Open is colorfast, mildew resistant, and waterproof. It maintains its flexibility in temperature extremes from the hot tropics to near-zero temperatures. Stamoid's vinyl coating assures dirt resistance and cleanability.

Suggested uses: bimini tops, dodgers, enclosures, boat awnings.

<b>Fabric</b>	High-Tenacity Polyester
<b>Finish</b>	Vinyl Coated Both Sides
<b>Warranty</b>	5-Year

Item #	Style #	Color	Put Up	Weight	Width
742173	F4463-10204	Cream	33 yd.	19.1 oz.	102.36 in.
742172	F4463	Ivory	33 yd.	19.1 oz.	102.36 in.
742170	F4463-10309	Snow White	33 yd.	19.1 oz.	102.36 in.
742171	F4463	White	33 yd.	19.1 oz.	102.36 in.

Stamoid® is a registered trademark of The Serge Ferrari Group.



## Serge Ferrari Stamoid® Top 59 in.

Stamoid Top 59" is a mid-weight, polyester marine fabric that features vinyl coating on both sides. The fabric protects crew from sea spray, wind, and bad weather. It also filters 100% of UV light.

Built-in dimensional stability provides long-lasting durability for any-sized boat. Stamoid Top is colorfast, mildew resistant, and waterproof. It maintains its flexibility in temperature extremes from the hot tropics to near-zero temperatures. Stamoid's vinyl coating assures dirt resistance and easy cleaning.

Suggested uses: bimini tops, dodgers, enclosures, boat awnings, sprayhoods, cockpit enclosures.

<b>Fabric</b>	High-Tenacity Polyester
<b>Finish</b>	Vinyl Coated Both Sides
<b>Warranty</b>	5-Year

Item #	Style #	Color	Put Up	Weight	Width
742115	F3933	Black	54.7 yd.	12.7 oz.	59 in.
742114	F3933	Bordeaux	54.7 yd.	12.7 oz.	59 in.
742119	F3933	Charcoal	54.7 yd.	12.7 oz.	59 in.
742117	F3933	Cloud Grey	54.7 yd.	12.7 oz.	59 in.
742101	F3933	Cream	54.7 yd.	12.7 oz.	59 in.
742105	F3933	Desert	54.7 yd.	12.7 oz.	59 in.
742118	F3933	Evergreen	54.7 yd.	12.7 oz.	59 in.
742102	F3933	Ivory	54.7 yd.	12.7 oz.	59 in.
742110	F3933	Navy	54.7 yd.	12.7 oz.	59 in.
742104	F3933	Pearl Grey	54.7 yd.	12.7 oz.	59 in.
742109	F3933	Royal Blue	54.7 yd.	12.7 oz.	59 in.
742103	F3933	Sand	54.7 yd.	12.7 oz.	59 in.
742112	F3933	Silver	54.7 yd.	12.7 oz.	59 in.
742113	F3933	Snow White	54.7 yd.	12.7 oz.	59 in.
742106	F3933	Taupe	54.7 yd.	12.7 oz.	59 in.
742100	F3933	White	54.7 yd.	12.7 oz.	59 in.

Stamoid® is a registered trademark of The Serge Ferrari Group.

## Serge Ferrari Stamoid® Top 80 in.

Stamoid Top 80" is a mid-weight, polyester marine fabric that features vinyl coating on both sides. It offers a wider width for medium-sized projects. The fabric protects crew from sea spray, wind, and bad weather. It also filters 100% of UV light.

Built-in dimensional stability provides long-lasting durability for any-sized boat. Stamoid Top is colorfast, mildew resistant, and waterproof. It maintains its flexibility in temperature extremes from the hot tropics to near-zero temperatures. Stamoid's vinyl coating assures dirt resistance and easy cleaning.

Suggested uses: bimini tops, dodgers, enclosures, boat awnings, sprayhoods, cockpit enclosures.

Fabric	High-Tenacity Polyester
Finish	Vinyl Coated Both Sides
Warranty	5-Year

Item #	Style #	Color	Put Up	Weight	Width
742164	F3933	Snow White	32.8 yd.	12.7 oz.	80 in.
742150	F3933	White	32.8 yd.	12.7 oz.	80 in.

Stamoid® is a registered trademark of The Serge Ferrari Group.

## Serge Ferrari Stamoid® Top 102 in.

Stamoid Top 102" is a mid-weight, polyester marine fabric that features vinyl coating on both sides. It offers a wider width for larger projects. The fabric protects crew from sea spray, wind, and bad weather. It also filters 100% of UV light.

Inherent dimensional stability provides long-lasting durability for any-sized boat. Stamoid Top is colorfast, mildew resistant, and waterproof. It maintains its flexibility in temperature extremes from the hot tropics to near-zero temperatures. Stamoid's vinyl coating assures dirt resistance and easy cleaning.

Suggested uses: bimini tops, dodgers, enclosures, boat awnings, sprayhoods, cockpit enclosures.

Fabric	High-Tenacity Polyester
Finish	Vinyl Coated Both Sides
Warranty	5-Year

Item #	Style #	Color	Put Up	Weight	Width
742167	F3933	Black	32.8 yd.	12.7 oz.	102 in.
742168	F3933	Cream	32.8 yd.	12.7 oz.	102 in.
742160	F3933	Pearl Grey	32.8 yd.	12.7 oz.	102 in.
742162	F3933	Sand	32.8 yd.	12.7 oz.	102 in.
742166	F3933	Snow White	32.8 yd.	12.7 oz.	102 in.
742165	F3933	White	32.8 yd.	12.7 oz.	102 in.

Stamoid® is a registered trademark of The Serge Ferrari Group.

## Super-Top™ Boat Topping

Premium grade diamond-embossed Super-Top is all weather ready on the top side, and backed with a soft gray "Denim" polyester/cotton fabric. Resists sun, mildew, water, grease and dirt. The soft vinyl and polyester/cotton blend makes it easier to fold, store and handle.

Fabric	65% Polyester/35% Cotton Blend
Finish	Vinyl Laminated, Embossed
Warranty	None

Item #	Color	Put Up	Weight	Width
734452	Pearl White / Denim	40 yd.	16 oz.	54 in.

Super-Top™ is a trademark of Glen Raven, Inc.

## Sunforger® Boat Shrunk

This durable boat-shrunk fabric resists water and mildew. It stands apart from similar fabrics with an added feature: exposure shrinkage of approximately 3% or less under normal use. Sunforger is a popular fabric for use where standard water and moisture conditions exist.

Suggested uses: boat tops, tents, outdoor applications.

Fabric	Cotton Army Duck
Finish	Water Repellent Finish

Item #	Style #	Color	Put Up	Weight	Width
714021	538	Pearl Gray	125 yd.	10.1 oz.	36 in.

Sunforger® is a registered trademark of M.F. & H Textiles.

## Sunforger® Boat Shrunk – Flame Retardant

This resilient boat-shrunk fabric is water repellent, mildew resistant, and flame retardant. It also offers an exposure shrinkage of around 3% or less under ordinary use. Sunforger is ideal for use in normal water and moisture conditions.

Suggested uses: boat tops, tents, outdoor applications.

Fabric	Cotton Army Duck
Finish	Water Repellent Finish
FR Standards Met	CPAI-84

Item #	Color	Put Up	Weight	Width
714183	Colorless	125 yd.	10.1 oz.	60 in.

Sunforger® is a registered trademark of M.F. & H Textiles.

## Sunforger® Marine Finish Boat Shrunk

For high-moisture environments, use Sunforger boat-shrunk fabric with a marine finish. Marine Finish contains a special added compound that gives greater water repellency and mildew resistance. Expect limited exposure shrinkage of approximately 3%, under normal use.

Suggested uses: boat tops, tents, outdoor applications.

<b>Fabric</b>	Cotton Army Duck
<b>Finish</b>	Water Repellent Finish

Item #	Style #	Color	Put Up	Weight	Width
714121	938	Colorless	125 yd.	10.1 oz.	36 in.
714124	998	Colorless	125 yd.	12.63 oz.	36 in.
714145	1098	Khaki	125 yd.	12.63 oz.	36 in.
714102	738	Pearl Gray	125 yd.	10.1 oz.	36 in.
714105	798	Pearl Gray	125 yd.	12.63 oz.	36 in.
714148	1198	Suntan	125 yd.	12.63 oz.	36 in.

Sunforger® is a registered trademark of M.F. & H Textiles.

## Sunforger® Marine Finish Boat Shrunk – Flame Retardant

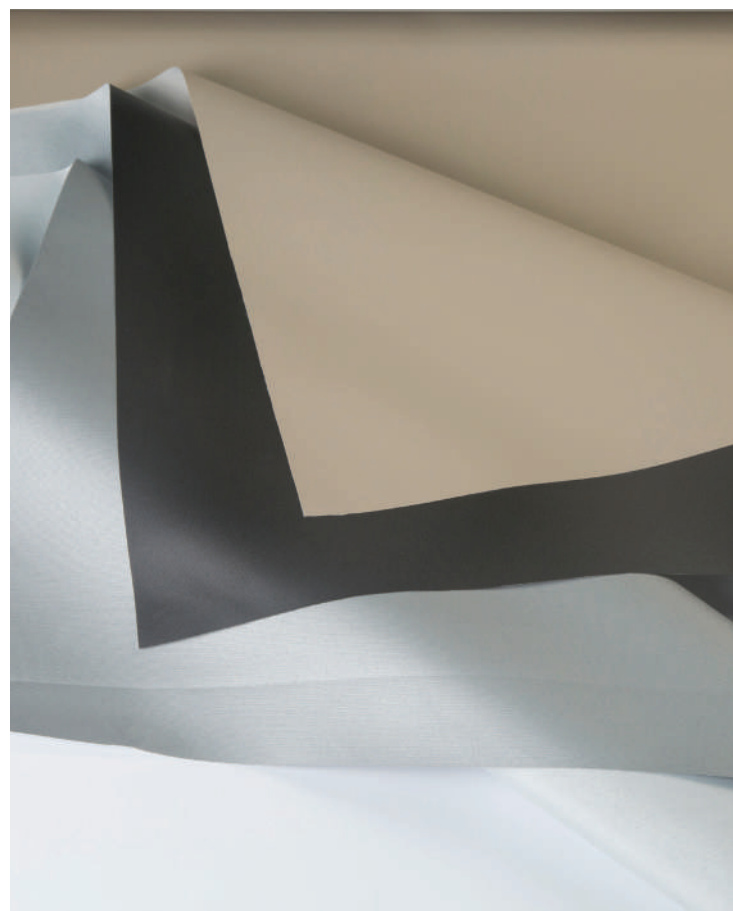
This fabric's marine finish offers advanced water and mildew resistance. In addition, it is flame retardant for a wider range of applications. Under ordinary use, expect limited exposure shrinkage of around 3%.

Suggested uses: boat tops, tents, outdoor applications.

<b>Fabric</b>	Cotton Army Duck
<b>Finish</b>	Water Repellent Finish
<b>FR Standards Met</b>	CPAI-84

Item #	Style #	Color	Put Up	Weight	Width
714125	998	Colorless	125 yd.	12.98 oz.	36 in.

Sunforger® is a registered trademark of M.F. & H Textiles.



## Triton®

100% polyester woven fabric with a vinyl-coated top side. Triton Marine Cover Fabric is water repellent and resistant to mildew, UV, petroleum products and a wide range of acid and alkaline liquids. The color won't rub off, and the flexible and durable surface cleans easily with vinyl cleaners. Ideal for personal watercraft covers.

<b>Fabric</b>	100% Polyester
<b>Finish</b>	Vinyl Resin Coated Topside
<b>Warranty</b>	3-Year

Item #	Style #	Color	Put Up	Weight	Width
775868	5868	Beige	100 yd.	6 oz.	60 in.
775800	5800	Black	100 yd.	6 oz.	60 in.
775820	5820	Charcoal	100 yd.	6 oz.	60 in.
775842	5842	Silver	100 yd.	6 oz.	60 in.

Triton® is a registered trademark of Glen Raven, Inc.



## Dacron® Sailcloth and Cover Cloth

Trivantage® offers a premium 3.8 oz. Dacron sailcloth for marine applications. 3.8 oz. Dacron has a stabilized finish and is a proven basic sailcloth.

Trivantage stocks a range of Dacron cover cloth fabrics in a variety of weights. These are ideal for a variety of marine cover applications, and are white in color.

Sailcloth fabrics are specially made for use in sails. Although this fabric is used in the manufacture of other products, it is not engineered or tested for these uses. In this connection we remind you that under the terms and conditions pursuant to which our sailcloth has been and is sold, the manufacturer disclaims all warranties of its sailcloth for fitness for a particular purpose.

Not for use in aeronautical applications.

Item #	Description	Color	Weight	Width
724104	Dacron	Natural	3.8 oz.	36 in.
724089	Fleetboat Cloth	White	4 oz.	54 in.
724078	Heavy Cloth	Natural	8.9 oz.	54 in.
723999	Heavy Cloth	White	8.5 oz.	54 in.

Dacron® is a registered trademark of INVISTA™. Trivantage® is a registered trademark of Glen Raven, Inc.



## Dacron® Tape

Available in various widths for use in sails. Used for reinforcement in canvas applications.

Item #	Color	Put Up	Weight	Width
500723	Black	100 yd.	3.9 oz.	2 in.
500492	White	100 yd.	6 oz.	1.5 in.
500493	White	60-75 yd.	6 oz.	2 in.
500726	White	100 yd.	6 oz.	2 in.
500495	White	100 yd.	6 oz.	3 in.
500727	White	100 yd.	6 oz.	3 in.
500496	White	100 yd.	6 oz.	4 in.
500728	White	100 yd.	6 oz.	4 in.

Dacron® is a registered trademark of INVISTA™.

## Clear Double-Polished Vinyl Rolls

Clear Vinyl will contract and expand with changing temperatures. Allow 1-2% for shrinkage when cutting clear vinyl.

Sold in full rolls only.

Item #	Description	Color	Put Up	Thickness	Width
972012		Clear	100 yd.	0.012	54 in.
972017		Clear	36 yd.	0.016	54 in.
972016		Clear	72 yd.	0.016	54 in.
972019		Clear	30 yd.	0.020	54 in.
972113		Clear	5 yd.	0.020	54 in.
972020		Clear	61 yd.	0.020	54 in.
972036		Clear	20 yd.	0.030	54 in.
972035		Clear	40 yd.	0.030	54 in.
972024	Cold Crack UVI	Clear	60 yd.	0.020	54 in.
972029	Interleaf	Clear	30 yd.	0.020	54 in.
972046	Interleaf	Clear	20 yd.	0.030	54 in.

## Clear Double-Polished Vinyl Rolls – Flame Retardant

This flame-retardant clear vinyl is highly durable. The material will contract and expand with varying temperatures. Permit 1-2% for shrinkage when cutting.

Sold in full rolls only.

Suggested uses: marine windows, boat enclosures.

FR Standards Met	California State Fire Marshal Title 19; CPAI-84.
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Item #	Description	Put Up	Thickness	Width
972022		100 yd.	0.012	54 in.
972023		50 yd.	0.012	54 in.
972026		72 yd.	0.016	54 in.
972028		30 yd.	0.020	54 in.
972027		61 yd.	0.020	54 in.
972072		40 yd.	0.030	50 in.
972041	Interleaf	61 yd.	0.020	54 in.

## Visilite™

The Visilite™ product line from Trivantage® is designed to service all clear vinyl requirements. An industry leader, Visilite FR passed NFPA 701 Test Method 2 and is Berry compliant. Visilite is offered in a wide variety of thicknesses and put-ups to best service your needs.

Sold in full rolls only.

FR Standards Met		NFPA 701 Test Method 2			
Item #	Description	Color	Put Up	Thickness	Width
972440	Double Polished	Clear	90 yd.	12 mil	54 in.
972442	Double Polished	Clear	70 yd.	16 mil	54 in.
972444	Double Polished	Clear	30 yd.	20 mil	54 in.
972445	Double Polished	Clear	60 yd.	20 mil	54 in.
972446	Double Polished	Clear	20 yd.	30 mil	54 in.
972447	Double Polished	Clear	40 yd.	30 mil	54 in.
972450	Double Polished	Smoke	95 yd.	12 mil	54 in.
972452	Double Polished	Smoke	72 yd.	12 mil	54 in.
972453	Double Polished	Smoke	28 yd.	20 mil	54 in.
972454	Double Polished	Smoke	57 yd.	20 mil	54 in.
972456	Double Polished	Smoke	19 yd.	30 mil	54 in.
972458	Double Polished	Smoke	38 yd.	30 mil	54 in.
972460	Double Polished, Fire Retardant	Clear	92 yd.	12 mil	54 in.
972462	Double Polished, Fire Retardant	Clear	29 yd.	20 mil	54 in.
972468	Double Polished, Fire Retardant	Clear	82 yd.	12 mil	61 in.
972470	Double Polished, Fire Retardant	Clear	49 yd.	20 mil	61 in.
972476	Extruded	Clear	19 yd.	30 mil	54 in.
972478	Extruded	Clear	15 yd.	40 mil	54 in.
972480	Double Polished, Interleaf	Clear	25 yd.	20 mil	54 in.
972482	Double Polished, Interleaf	Clear	19 yd.	30 mil	54 in.
972484	Double Polished, Interleaf, Fire Retardant	Clear	29 yd.	20 mil	54 in.
972486	Double Polished	Clear	5 yd.	20 mil	54 in.

Visilite™ is a trademark of Glen Raven, Inc. Trivantage® is a registered trademark of Glen Raven, Inc.



## GlassClear® SR

GlassClear® SR, a flexible transparent vinyl, features a double-sided scratch-resistant coating in rolls. Sold in full rolls only.

<b>Fabric</b>	Extruded flexible double polished clear PVC
<b>Finish</b>	Urethane based
<b>FR Standards Met</b>	FMVSS 302

Item #	Color	Put Up	Thickness	Width
971943	Clear	23 yards	0.030	47 in.

GlassClear® is a registered trademark of Ascot Products Inc. (Robeco).

## GlassClear® Double-Polished Vinyl Rolls

Clear Vinyl will contract and expand with changing temperatures. Allow 1-2% for shrinkage when cutting clear vinyl.

Sold in full rolls only.

Item #	Color	Put Up	Thickness	Width
972002	Clear	30 yd.	0.020	54 in.
972003	Clear	60 yd.	0.020	54 in.
971942	Clear	20 yd.	0.030	54 in.
971941	Clear	40 yd.	0.030	54 in.
972004	Clear	15 yd.	0.040	54 in.
972005	Clear	30 yd.	0.040	54 in.
972102	Smoke	20 yd.	0.030	54 in.

GlassClear® is a registered trademark of Ascot Products Inc. (Robeco).

# GlassClear® Double-Polished Vinyl Rolls – Flame Retardant

Clear Vinyl will contract and expand with changing temperatures. Allow 1-2% for shrinkage when cutting clear vinyl.

Sold in full rolls only.

FR Standards Met	California State Fire Marshal; NFPA 701 Test Method 1
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Item #	Color	Put Up	Thickness	Width
972010	Clear	102 yd.	0.012	96 in.
972104	Clear	20 yd.	0.030	54 in.

GlassClear® is a registered trademark of Ascot Products Inc. (Robeco).

# GlassClear® Extruded Vinyl

A clear, economical vinyl that is a superb source for building marine enclosures rather than many typical vinyl sheets offered on the market. Great for clear vinyl window replacements as it adapts nicely to the existing vinyl. Because this specialty clear vinyl is extruded rather than laminated, the clarity is superior to other clear vinyl roll goods.

Item #	Description	Color	Put Up	Thickness	Width
972301	Firm Hand	Clear	14 yd.	0.040	54 in.
972302	Soft Hand	Clear	20 yd.	0.030	54 in.



# Strataglass® Vinyl Sheets

A remarkably clear and scratch-resistant vinyl sheet, Strataglass performs well in boat curtain, automotive window and awning applications, where perfection of clarity and lack of distortion are demanded. This premium, flexible vinyl sheet resists scratching from handling, etching from industrial fallout and damaging effects from the sun's rays. Made in the USA.

Strataglass, LLC., manufacturers of Strataglass and CrystalClear, endorse IMAR™ Strataglass Protective Cleaner and IMAR Strataglass Protective Polish for maximum benefit recommend its regular use on Strataglass and CrystalClear.

Fabric	Pressed-Polished Vinyl
Finish	Scratch Resistant, UV Blocking Urethane

Item #	Color	Put Up	Size	Thickness
972209	Clear	2/drum	54 in. x 110 in.	0.030
972208	Clear	3/drum	54 in. x 110 in.	0.030
972207	Clear	5/drum	54 in. x 110 in.	0.030
972346	Clear	1/drum	54 in. x 110 in.	0.040
972202	Clear	2/drum	54 in. x 110 in.	0.040
972201	Clear	3/drum	54 in. x 110 in.	0.040
972200	Clear	5/drum	54 in. x 110 in.	0.040
972203	Clear	2/drum	54 in. x 110 in.	0.060
971902	Clear	3/drum	54 in. x 110 in.	0.060
972206	Light Smoke	2/drum	54 in. x 110 in.	0.040
972205	Light Smoke	3/drum	54 in. x 110 in.	0.040
972204	Light Smoke	5/drum	54 in. x 110 in.	0.040

Strataglass® is a registered trademark of Aberdeen Road Company.

# CrystalClear

These uncoated press-polished vinyl sheets offer exceptional clarity and flexibility. With excellent UV stability, CrystalClear resists clouding, yellowing and cracking to provide phenomenal visual light transmission. In a choice of 30 and 40 gauge clear or smoke untrimmed sheets. Made in the USA.

Item #	Color	Put Up	Size	Thickness
972225	Clear	10/drum	54in. x 110in. (+/- 1in.)	0.020
972219	Clear	2/drum	54in. x 110in. (+/- 1in.)	0.030
972218	Clear	3/drum	54in. x 110in. (+/- 1in.)	0.030
972217	Clear	5/drum	54in. x 110in. (+/- 1in.)	0.030
972212	Clear	2/drum	54in. x 110in. (+/- 1in.)	0.040
972211	Clear	3/drum	54in. x 110in. (+/- 1in.)	0.040
972210	Clear	5/drum	54in. x 110in. (+/- 1in.)	0.040
972216	Light Smoke	2/drum	54in. x 110in. (+/- 1in.)	0.040
972215	Light Smoke	3/drum	54in. x 110in. (+/- 1in.)	0.040
972214	Light Smoke	5/drum	54in. x 110in. (+/- 1in.)	0.040

# O'Sea™ Coated Press Polished Sheets

O'Sea press polished sheets are ideally suited for applications where exceptional optical clarity and durability are important. These include marine windows, and other enclosures. O'Sea advantages include: Scratch resistance, UV durability, optical clarity, superior stain and chemical resistance and made in the USA.

Fabric	PVC Clear Pressed Polished Vinyl
Finish	Scratch, Stain & Chemical Resistance, UV Durability
Warranty	18-Month Limited Warranty



## Regalite® / O'Sea® Firma Press Polished Sheets

Specifically formulated for those who desire a stiffer hand, FIRMA sheets are harder and less flexible than standard Regalite and O'Sea. Sold in full drums only.

<b>Warranty</b>	<b>18-Month Limited Warranty</b>
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Item #	Description	Color	Put Up	Size	Thickness
972363	O'Sea Coated	Clear	5/drum	54 in. x 110 in.	0.040
972362	Regalite Uncoated	Clear	5/drum	54 in. x 110 in.	0.040

Regalite® is a registered trademark of O'Sullivan Films.

Item #	Color	Put Up	Size	Thickness
972179	Clear	3/drum	54 in. x 110 in.	0.030
972180	Clear	5/drum	54 in. x 110 in.	0.030
972164	Clear	3/drum	54 in. x 110 in.	0.040
972163	Clear	5/drum	54 in. x 110 in.	0.040
972186	Clear	3/drum	54 in. x 110 in.	0.060
972185	Green	3/drum	54 in. x 110 in.	0.040
972183	Smoke	3/drum	54 in. x 110 in.	0.040

O'Sea™ is a trademark of O'Sullivan Films

## Regalite® Uncoated Press Polished Sheets

Die-cut sheets. Sold in full drums only.

<b>Warranty</b>	<b>18-Month Limited Warranty</b>
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Item #	Color	Put Up	Size	Thickness
972347	Clear	5/drum	54 in. x 110 in.	0.020
972169	Clear	3/drum	54 in. x 110 in.	0.030
972153	Clear	5/drum	54 in. x 110 in.	0.030
972171	Clear	3/drum	54 in. x 110 in.	0.040
972162	Clear	5/drum	54 in. x 110 in.	0.040
972177	Green	3/drum	54 in. x 110 in.	0.040
972342	Smoke	5/drum	54 in. x 110 in.	0.030
972176	Smoke	3/drum	54 in. x 110 in.	0.040
972340	Smoke	5/drum	54 in. x 110 in.	0.040

Regalite® is a registered trademark of O'Sullivan Films.

## TUFFAK® (Makrolon®) Marine 5

TUFFAK Marine 5 polycarbonate sheets are designed for applications demanding high optical clarity, exceptional durability, and longevity against the harsh marine environment. With low optical distortion for clear views and unparalleled sight lines, the advanced hard coat technology provides excellent abrasion resistance, enhanced clarity, chemical resistance, and long lasting outdoor weathering performance. Can be easily cut and sewn

<b>Warranty</b>	<b>5-Year Limited Warranty</b>
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Item #	Color	Put Up	Size	Thickness
971810	Clear	1/drum	50 in. x 110 in.	0.060
971811	Clear	3/drum	50 in. x 110 in.	0.060
971812	Clear	5/drum	50 in. x 110 in.	0.060
971813	Clear	1/drum	60 in. x 110 in.	0.080
971814	Clear	3/drum	60 in. x 110 in.	0.080

Tuffak® is a registered trademark of Covestro.

## Regalite® Fenestra Uncoated Press Polished Sheets

With high flame standards and a very minimal shrinkage factor (1%), Fenestra is the clear choice for outdoor enclosure projects such as restaurant windows and patios, sunrooms and greenhouses. Sold in full drums only.

<b>FR Standards Met</b>	0.020 Gauge: FMVSS 302; California 117E; California Title 19 Section 1237 (small scale), 0.030 Gauge: FMVSS 302; California 117E
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<b>Warranty</b>	<b>18-Month Limited Warranty</b>
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Item #	Color	Put Up	Size	Thickness
972360	Clear	5/drum	54 in. x 110 in.	0.020
972361	Clear	5/drum	54 in. x 110 in.	0.030

Regalite® is a registered trademark of O'Sullivan Films.

## TUFFAK® (Makrolon®) AR2

TUFFAK AR2 abrasion resistant polycarbonate sheet offers superior abrasion resistance and glasslike surface hardness, along with the impact strength of polycarbonate. It features a unique clear hard coat finish that resists all types of abuse, from physical attack to chemicals and spray paint. Additionally, TUFFAK AR2 offers resistance from yellowing and hazing for longer service life in high profile applications.

Item #	Color	Put Up	Size	Thickness
971800	Clear	1/drum	48 in. x 96 in.	0.060
971801	Clear	3/drum	48 in. x 96 in.	0.060
971802	Clear	5/drum	48 in. x 96 in.	0.060

Tuffak® is a registered trademark of Covestro.

TUFFAK® (Makrolon®) VR

TUFFAK VR polycarbonate sheets are designed for high optical quality and exceptional durability. With low optical distortion for clear views and unparalleled sight lines, the proprietary UV technology ensures long lasting outdoor weathering performance and shades occupants from the sun's harmful UV rays. Can be easily cut and sewn.

Warranty		5-Year Limited Warranty		
Item #	Color	Put Up	Size	Thickness
971815	Clear	1/drum	52 in. x 110 in.	0.040
971816	Clear	3/drum	52 in. x 110 in.	0.040
971817	Clear	5/drum	52 in. x 110 in.	0.040

Tuffak® is a registered trademark of Covestro.



Sea Clear Polycarbonate

Clear, thin-gauge polycarbonate for side and aft windows. Gives clear visibility and good light transmission.

Available only by drop shipment.

Recommended Handling of Sea Clear

- A masking film is used on both sides of the Sea Clear sheet or roll to prevent scratching during shipment and fabrication.
- For the best protection against abrasion damage to Sea Clear rolls, always store in and dispense from the specially designed box.
- No special tools or equipment are necessary to work with Sea Clear. Just cut and sew with your existing equipment.
- Don't forget to peel mask off when job is completed.
- The creative use of Sea Clear provides a clearer, longer lasting solution for marine or other window applications that do not require roll-up (Sea Clear is not appropriate for traditional roll-up applications).

Item #	Color	Put Up	Size	Thickness
971830	Clear	1/drum	48 in. x 96 in.	0.030
971730	Clear	10 yd.	50 in. x 10 yd.	0.030
971840	Clear	1/drum	48 in. x 96 in.	0.040

Vinyl Clear Strip

Ideal for dock door and overhead door applications. Provides minimal protection for interior/exterior openings from 9 feet to 14 feet high. Operating temperature from -40°F to +140°F.

FR Standards Met		California State Fire Marshal Title 19	
Item #	Put Up	Thickness	Width
972081	100 ft.	0.120	12 in.

Nassimi Breeze Seaquest Vinyl Upholstery

Seaquest is a reliable fabric for marine settings. Part of the Trivantage® Breeze Collection, it offers an embossed PVC outer surface.

Suggested uses: marine, outdoor, general upholstery.

Fabric	Poly Rayon
Finish	Embossed PVC
FR Standards Met	California Technical Bulletin 117; MVSS 302
Warranty	3-Year

Item #	Style #	Color	Put Up	Weight	Width
732701	PSQ-001	Seaquest American Beauty	40 yd.	32 oz./ly.	54 in.
732702	PSQ-002	Seaquest Anchor	40 yd.	32 oz./ly.	54 in.
732703	PSQ-003	Seaquest Buff	40 yd.	32 oz./ly.	54 in.
732704	PSQ-004	Seaquest Chalk	40 yd.	32 oz./ly.	54 in.
732705	PSQ-005	Seaquest Cove	40 yd.	32 oz./ly.	54 in.
732706	PSQ-006	Seaquest Dune	40 yd.	32 oz./ly.	54 in.
732707	PSQ-007	Seaquest Ebony	40 yd.	32 oz./ly.	54 in.
732708	PSQ-008	Seaquest Emerald	40 yd.	32 oz./ly.	54 in.
732709	PSQ-009	Seaquest Forest	40 yd.	32 oz./ly.	54 in.
732710	PSQ-010	Seaquest Hampton	40 yd.	32 oz./ly.	54 in.
732711	PSQ-011	Seaquest Havasu	40 yd.	32 oz./ly.	54 in.
732712	PSQ-012	Seaquest Lemon Peel	40 yd.	32 oz./ly.	54 in.
732713	PSQ-013	Seaquest Light-house Red	40 yd.	32 oz./ly.	54 in.
732714	PSQ-014	Seaquest Lotion	40 yd.	32 oz./ly.	54 in.
732715	PSQ-015	Seaquest Marble	40 yd.	32 oz./ly.	54 in.
732716	PSQ-016	Seaquest Midnight	40 yd.	32 oz./ly.	54 in.
732717	PSQ-017	Seaquest Mist	40 yd.	32 oz./ly.	54 in.
732718	PSQ-018	Seaquest Navel	40 yd.	32 oz./ly.	54 in.
732719	PSQ-019	Seaquest Navy	40 yd.	32 oz./ly.	54 in.

Item #	Style #	Color	Put Up	Weight	Width
732720	PSQ-020	Seaquest Oyster	40 yd.	32 oz./ly.	54 in.
732721	PSQ-021	Seaquest Pearl Oyster	40 yd.	32 oz./ly.	54 in.
732722	PSQ-022	Seaquest Pelican	40 yd.	32 oz./ly.	54 in.
732723	PSQ-023	Seaquest Royal	40 yd.	32 oz./ly.	54 in.
732724	PSQ-024	Seaquest Ruby	40 yd.	32 oz./ly.	54 in.
732725	XSQ (PSQ)-025	Seaquest Sea White	40 yd.	32 oz./ly.	54 in.
732726	PSQ-026	Seaquest Smoke	40 yd.	32 oz./ly.	54 in.
732727	PSQ-027	Seaquest Teal	40 yd.	32 oz./ly.	54 in.
732729	PSQ-029	Seaquest Too White	40 yd.	32 oz./ly.	54 in.
732730	PSQ-030	Seaquest White Ice	40 yd.	32 oz./ly.	54 in.

Trivantage® is a registered trademark of Glen Raven, Inc.

## Nassimi Breeze Seaquest Roll 'N Pleat Vinyl Upholstery

Seaquest Roll 'N Pleat is a unique pleated fabric for use in marine conditions. Part of the Trivantage® Breeze Collection, the fabric features an embossed PVC outer surface.

Suggested uses: marine, interior cabin trim, boat seat inserts, general upholstery.

<b>Fabric</b>	Poly Rayon
<b>Finish</b>	Embossed PVC
<b>FR Standards Met</b>	California Technical Bulletin 117; MVSS 302
<b>Warranty</b>	3-Year

Item #	Style #	Color	Put Up	Width
732902	PSP-002	Seaquest Anchor	15 yd.	54 in.
732903	PSP-003	Seaquest Buff	15 yd.	54 in.
732904	PSP-004	Seaquest Chalk	15 yd.	54 in.
732906	PSP-006	Seaquest Dune	15 yd.	54 in.
732907	PSP-007	Seaquest Ebony	15 yd.	54 in.
732908	PSP-008	Seaquest Emerald	15 yd.	54 in.
732909	PSP-009	Seaquest Forest	15 yd.	54 in.
732910	PSP-010	Seaquest Hampton	15 yd.	54 in.
732913	PSP-013	Seaquest Lighthouse Red	15 yd.	54 in.
732914	PSP-014	Seaquest Lotion	15 yd.	54 in.
732915	PSP-015	Seaquest Marble	15 yd.	54 in.
732917	PSP-017	Seaquest Mist	15 yd.	54 in.
732919	PSP-019	Seaquest Navy	15 yd.	54 in.
732920	PSP-020	Seaquest Oyster	15 yd.	54 in.
732921	PSP-021	Seaquest Pearl Oyster	15 yd.	54 in.
732923	PSP-023	Seaquest Royal	15 yd.	54 in.
732924	PSP-024	Seaquest Ruby	15 yd.	54 in.
732925	XSP (PSP)-025	Seaquest Sea White	15 yd.	54 in.
732926	PSP-026	Seaquest Smoke	15 yd.	54 in.

Item #	Style #	Color	Put Up	Width
732929	PSP-029	Seaquest Too White	15 yd.	54 in.
732930	PSP-030	Seaquest White Ice	15 yd.	54 in.

Trivantage® is a registered trademark of Glen Raven, Inc.

## Nassimi Breeze Seaquest Hidem Gimp

Hidem gimp is used to hide staples in upholstery and headliner applications. Colors correspond with the Nassimi Breeze Seaquest Vinyl Upholstery collection.

Item #	Color	Put Up	Width
515831	American Beauty	25 yd.	5/8 in.
515832	Anchor	25 yd.	5/8 in.
515833	Buff	25 yd.	5/8 in.
515834	Chalk	25 yd.	5/8 in.
515836	Dune	25 yd.	5/8 in.
515837	Ebony	25 yd.	5/8 in.
515838	Emerald	25 yd.	5/8 in.
515839	Forest	25 yd.	5/8 in.
515840	Hampton	25 yd.	5/8 in.
515843	Lighthouse Red	25 yd.	5/8 in.
515844	Lotion	25 yd.	5/8 in.
515845	Marble	25 yd.	5/8 in.
515846	Midnight	25 yd.	5/8 in.
515847	Mist	25 yd.	5/8 in.
515849	Navy	25 yd.	5/8 in.
515850	Oyster	25 yd.	5/8 in.
515851	Pearl Oyster	25 yd.	5/8 in.
515852	Pelican	25 yd.	5/8 in.
515853	Royal	25 yd.	5/8 in.
515854	Ruby	25 yd.	5/8 in.
515855	Sea White	25 yd.	5/8 in.
515856	Smoke	25 yd.	5/8 in.
515857	Teal	25 yd.	5/8 in.
515859	Too White	25 yd.	5/8 in.
515860	White Ice	25 yd.	5/8 in.

## Nassimi Breeze Seaquest Welt

Welt is used to visually enhance a seam on seating. Colors correspond with the Nassimi Breeze Seaquest Vinyl Upholstery collection.

Item #	Color	Put Up	Width
515861	American Beauty	50 yd.	5/8 in.
515862	Anchor	50 yd.	5/8 in.
515863	Buff	50 yd.	5/8 in.
515864	Chalk	50 yd.	5/8 in.



Item #	Color	Put Up	Width
515865	Cove	50 yd.	5/8 in.
515866	Dune	50 yd.	5/8 in.
515867	Ebony	50 yd.	5/8 in.
515868	Emerald	50 yd.	5/8 in.
515869	Forest	50 yd.	5/8 in.
515870	Hampton	50 yd.	5/8 in.
515872	Lemon Peel	50 yd.	5/8 in.
515873	Lighthouse Red	50 yd.	5/8 in.
515874	Lotion	50 yd.	5/8 in.
515875	Marble	50 yd.	5/8 in.
515876	Midnight	50 yd.	5/8 in.
515877	Mist	50 yd.	5/8 in.
515878	Navel	50 yd.	5/8 in.
515879	Navy	50 yd.	5/8 in.
515880	Oyster	50 yd.	5/8 in.
515882	Pelican	50 yd.	5/8 in.
515883	Royal	50 yd.	5/8 in.
515885	Sea White	50 yd.	5/8 in.
515886	Smoke	50 yd.	5/8 in.
515887	Teal	50 yd.	5/8 in.
515889	Too White	50 yd.	5/8 in.
515890	White Ice	50 yd.	5/8 in.

## Nassimi Breeze Vibe Vinyl Upholstery

Vibe, part of the Trivantage® Breeze Collection, offers a distinctive look of fabric while offering the durability and ease of care of faux leather. This material offers Resilience-SR protection and is mildew, UV, and stain resistant. Vibe is suitable for automotive, marine, outdoor, and hospitality applications.

<b>Fabric</b>	Polyester
<b>Finish</b>	Embossed PVC
<b>FR Standards Met</b>	California Technical Bulletin 117; MVSS 302
<b>Warranty</b>	3-Year

Item #	Style #	Color	Put Up	Weight	Width
732771	TVI-001	Vibe Alchemy	30 yd.	28 oz./ly.	54 in.
732772	TVI-002	Vibe Ballpoint	30 yd.	28 oz./ly.	54 in.
732774	TVI-004	Vibe Bombay Blue	30 yd.	28 oz./ly.	54 in.
732776	TVI-006	Vibe Cityscape	30 yd.	28 oz./ly.	54 in.
732777	TVI-007	Vibe Clementine	30 yd.	28 oz./ly.	54 in.
732778	TVI-008	Vibe Clover	30 yd.	28 oz./ly.	54 in.
732779	TVI-009	Vibe Cocoa	30 yd.	28 oz./ly.	54 in.
732788	TVI-102	Vibe Cornerstone	30 yd.	28 oz./ly.	54 in.
732780	TVI-010	Vibe Cornsilk	30 yd.	28 oz./ly.	54 in.
732781	TVI-011	Vibe Flax	30 yd.	28 oz./ly.	54 in.

Item #	Style #	Color	Put Up	Weight	Width
732782	TVI-012	Vibe Grasshopper	30 yd.	28 oz./ly.	54 in.
732783	TVI-013	Vibe Indian Summer	30 yd.	28 oz./ly.	54 in.
732784	TVI-014	Vibe Irish Linen	30 yd.	28 oz./ly.	54 in.
732785	TVI-015	Vibe Mushroom	30 yd.	28 oz./ly.	54 in.
732787	TVI-017	Vibe Sunset	30 yd.	28 oz./ly.	54 in.

Trivantage® is a registered trademark of Glen Raven, Inc.

## Nautolex® Capitano™ Marine Vinyl Upholstery

Capitano is formulated with quality pigments and additives to resist fading, bacteria and mildew growth. The colors selected for Capitano coordinate with all of today's interior carpeting, exterior gel systems, graphics and interior trim components. The sturdy, expanded construction utilizes a heavy-duty, 100% polyester filament backing that has superior strength and great stretch and set qualities. It is perfect for today's seat designs, which involve tailoring around tight corners. It has a durable skin layer, which is resistant to picking and abrasion and cleans easily.

<b>Fabric</b>	100% Polyester
<b>Finish</b>	Vinyl
<b>FR Standards Met</b>	California Technical Bulletin 117, Section E
<b>Warranty</b>	5-Year

Item #	Style #	Color	Put Up	Weight	Width
734322	519970 (44919200)	Beach White	40 yd.	20 oz.	54 in.
734327	513846 (45869400)	Blue Chip	40 yd.	20 oz.	54 in.
734357	517582 (49206500)	Cancun Blue	40 yd.	20 oz.	54 in.
734362	518236 (48562200)	Cityscape	40 yd.	20 oz.	54 in.
734311	513658 (44800000)	Cloud White	40 yd.	20 oz.	54 in.
734312	514006 (44800100)	Conch Shell	40 yd.	20 oz.	54 in.
734344	517583 (49206600)	Cornerstone	40 yd.	20 oz.	54 in.
734318	513832 (44800700)	Cyberspace	40 yd.	20 oz.	54 in.
734347	517584 (49206700)	Daiquiri	40 yd.	20 oz.	54 in.
734323	513952 (45869000)	Daredevil	40 yd.	20 oz.	54 in.
734328	513900 (45869500)	Eclipse	40 yd.	20 oz.	54 in.
734325	514009 (45869200)	Galapagos	40 yd.	20 oz.	54 in.
734336	517585 (49206800)	Heron	40 yd.	20 oz.	54 in.
734332	513660 (45869900)	Lemon Drop	40 yd.	20 oz.	54 in.
734363	517910 (49206900)	Mandarin	40 yd.	20 oz.	54 in.
734334	517586 (49207000)	Marooned	40 yd.	20 oz.	54 in.
734337	517587 (49207100)	Nuance	40 yd.	20 oz.	54 in.
734346	517588 (49207200)	Parakeet	40 yd.	20 oz.	54 in.
734345	517589 (49207300)	Party Pink	40 yd.	20 oz.	54 in.
734358	517590 (49207400)	Pennywise	40 yd.	20 oz.	54 in.
734348	517591 (49207500)	Rain	40 yd.	20 oz.	54 in.
734329	513659 (45869600)	Riviera	40 yd.	20 oz.	54 in.
734359	517592 (49207600)	Root Beer	40 yd.	20 oz.	54 in.
734313	513903 (44800200)	Sand Dollar	40 yd.	20 oz.	54 in.

Item #	Style #	Color	Put Up	Weight	Width
734319	514287 (44800800)	Sand Shell	40 yd.	20 oz.	54 in.
734326	513887 (45869300)	Techno Gray	40 yd.	20 oz.	54 in.
734331	513937 (45869800)	Totally Tan	40 yd.	20 oz.	54 in.
734349	517593 (49207700)	Wild Orchid	40 yd.	20 oz.	54 in.

Nautolex® is a registered trademark of OMNOVA Solutions, Inc. Capitano™ is a trademark of OMNOVA Solutions, Inc.

## Nautolex® Capitano™ Channeling

Nautolex Capitano Channeling is a 1-1/2 inch wide handsomely styled, quilted fabric. It exhibits outstanding resistance to stains, abrasion, scuffing and burnishing, and it cleans up easily. It is formulated with the highest quality pigments and additives to resist fading, bacteria and mildew growth.

<b>Fabric</b>	Coated Polyester Net Backing
<b>Finish</b>	Vinyl
<b>Warranty</b>	None

Item #	Style #	Color	Put Up	Weight	Width
734283	448000	Cloud White	20 yd.	37.3 oz.	54 in.
734280	448001	Conch Shell	20 yd.	37.3 oz.	54 in.

Nautolex® is a registered trademark of OMNOVA Solutions, Inc. Capitano™ is a trademark of OMNOVA Solutions, Inc.



## Nautolex® Capitano™ Hidem Gimp

Made from durable vinyl, this Nautolex Capitano hidem gimp outlasts extreme marine settings. The center-split welt resists dirt, UV rays, mildew, and fraying. Use the versatile binding to conceal staples in boat upholstery, headliners, and other marine fabric trim applications.

Item #	Style #	Color	Put Up	Width
515825	449192	Beach White	25 yd.	3/4 in.
515822	448000	Cloud White	25 yd.	3/4 in.
515820	448001	Conch Shell	25 yd.	3/4 in.
515828	448007	Cyberspace	25 yd.	3/4 in.
515830	448008	Sandshell	25 yd.	3/4 in.

Nautolex® is a registered trademark of OMNOVA Solutions, Inc. Capitano™ is a trademark of OMNOVA Solutions, Inc.



## Nautolex® SofDura

SofDura is a heavy weight marine grade upholstery product with a softer than average hand. Superior durability for heavy-duty areas such as seating and backing. Water repellent and excellent resistance to abrasion, scuffing, mildew and fading caused by UV exposure. Protected with the unique PreFixx® protective finish that resists staining and provides exceptional ease of cleaning. 100% polyester filament backing.

<b>Fabric</b>	100% Polyester Knit
<b>Finish</b>	PreFixx®
<b>FR Standards Met</b>	California Technical Bulletin 117, Section E
<b>Warranty</b>	5-Year

Item #	Style #	Color	Put Up	Weight	Width
734213	472137	Iron	40 yd.	20 oz.	54 in.
734230	514444 (458710)	Mystic White	40 yd.	20 oz.	54 in.
734231	520200 (458711)	Shell	40 yd.	20 oz.	54 in.
734235	458715	Stone	40 yd.	20 oz.	54 in.

Nautolex® and PreFixx® are registered trademarks of OMNOVA Solutions Inc.

## Nautolex® SofDura Channeling

Trim and cushion insert design.

<b>Fabric</b>	100% Polyester Knit
<b>Finish</b>	PreFixx®
<b>Warranty</b>	None

Item #	Style #	Color	Put Up	Weight	Width
734256	734256	Mystic White	20 yd.	37.3 oz.	54 in.

Nautolex® and PreFixx® are registered trademarks of OMNOVA Solutions Inc.

Nautolex® Voyager®

The finest marine grade vinyl, Nautolex Voyager is coated with a PreFixx® protective finish so it can be cleaned easily, over and over, without showing signs of wear. The special finish provides excellent stain, scuff and abrasion resistance. And, it protects against damaging UV rays to assure long-lasting bright colors. Applications include exterior or interior cushions, boat seat covers, pillows and more.

Fabric	Marine Grade Coated Vinyl
Finish	PreFixx®
FR Standards Met	California Technical Bulletin 117, Section E
Warranty	5-Year

Item #	Style #	Color	Put Up	Weight	Width
733066	518427	Mystic White	40 yd.	20 oz.	54 in.
733068	513716	Off White	40 yd.	20 oz.	54 in.

Nautolex®, Voyager® and PreFixx® are registered trademarks of OMNOVA Solutions, Inc.

Nautolex® Voyager Channeling

This fabric's special PreFixx® protective finish provides excellent stain, scuff and abrasion resistance, and protects against damaging UV rays to assure long-lasting colors.

Fabric	Nautolex Voyager with 6.6 oz. polyester backing
Finish	PreFixx®
Warranty	None

Item #	Style #	Color	Put Up	Weight	Width
734275	NAU771	Mystic White	20 yd.	33 oz.	54 in.
734277	NAU773	Off White	20 yd.	33 oz.	54 in.

Nautolex® and PreFixx® are registered trademarks of OMNOVA Solutions, Inc.

Nautolex® Headliner

This headliner fabric is produced from top-quality upholstery fabric with a 1/4 in. polyether urethane foam that is flame laminated to the backside and stabilized to minimize the hardening and drying that is common in other foams. It also has an antimicrobial treatment to prevent the growth of mold and mildew. As a result, this headliner fabric will stand up to the high temperatures and moist conditions of harsh marine environments.

High quality adhesives should be used with the headliner fabric and care must be taken to avoid pooling of adhesive on the headliner fabric or the surface the fabric is to be secured to.

Fabric	Capitano Marine Vinyl, flame laminated with 1/4 in. polyether urethane foam
Finish	PreFixx®

Item #	Color	Put Up	Weight	Width
733125	Cloud White	40 yd.	22 oz.	54 in.
733126	Conch Shell	40 yd.	22 oz.	54 in.

Nautolex® and PreFixx® are registered trademarks of OMNOVA Solutions, Inc.



Nautolex® Underlining

Highly durable fabric used by seat manufacturers to cover boat seat bottoms, hiding springs and screws from sight.

Fabric	Polyester Mesh
Finish	Textured Matte Vinyl

Item #	Style #	Color	Put Up	Weight	Width
734305	524147 (42351900)	Almond	100 yd.	7 oz.	54 in.
734302	524148 (31694800)	Black	100 yd.	7 oz.	54 in.
734303	524146 (38564600)	Light Gray	100 yd.	7 oz.	54 in.
734304	522288 (39096400)	White	100 yd.	7 oz.	54 in.

Nautolex® is a registered trademark of OMNOVA Solutions, Inc.

Nautolex® Marine Flooring

Nautolex Marine Flooring is non-absorbent, impervious to gasoline, oil and battery acid. UV, mildew and water resistance enable these materials to last many years out in sun, salt water and other harsh weather elements. It has a no-slip texture and is ergonomic.

Fabric	Vinyl
Finish	Acrylic Top Coat
Warranty	3-Year

Item #	Style #	Color	Put Up	Weight	Width
734391	522755 (323987)	Shark	25 yd.	24 oz.	74 in.

Nautolex® is a registered trademark of OMNOVA Solutions, Inc.



## Canvex®

A translucent, reinforced plastic sheeting manufactured by weaving high-density polyethylene ribbons and coating them with a low-density polyethylene. This special weaving process produces a highly tear-resistant film that allows the ribbons to shift and “bunch up” in response to a tearing force. Canvex is commonly used for applications requiring exceptional tear resistance and minimal weight, including use on construction sites to enclose buildings and cover materials during construction. Other common applications for Canvex include temporary walls, abatement enclosures, equipment covers, silage and cargo covers, carpet and product wrappings, curtains, and insulation membranes. Also used as inexpensive pattern cloth.

Canvex I has the polyethylene coating on one side. Canvex II has the polyethylene coating on both sides. Sold in full rolls only.

<b>Fabric</b>	Woven Coated Polyethylene Ribbons
<b>Finish</b>	Low Density Polyethylene

Item #	Description	Color	Put Up	Weight	Width
971652	Canvex I	Clear	100 yd.	2.31 oz.	81 in.
971651	Canvex II	Clear	100 yd.	2.88 oz.	72 in.

Canvex® is a registered trademark of Raven Industries.

## Pattern Fabric

Lightweight fabric designed for short-term tarps and similar applications. With its strong and flexible composition, Pattern Fabric material works great on any job, anywhere. Its unique non-stretch translucent composition allows you to quickly produce accurate patterns.

<b>Fabric</b>	Woven Clear HDPE Scrim
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Item #	Color	Put Up	Weight	Width
971655	Clear	50 yd.	3 oz.	144 in.

## Michigan Cloth – Cordura®

Cordura Plus is a textured nylon for a natural spun-like appearance, with excellent resistance to abrasion, rot and mildew. Quick drying, and highly water-repellent.

Suggested Uses: Courier bags, insulated food service carriers, gun cases, stuff bags, camera bags, wallets, duffel bags, soft-sided luggage, purses, handbags, horse blankets, police and air and sea rescue supply bags, surfboard/ski carrying bags, sporting goods and equipment.

<b>Fabric</b>	1000-Denier Cordura® Nylon
<b>Finish</b>	0.75 oz. Urethane Coated, DWR

Item #	Color	Denier	Put Up	Weight	Width
726137	Black	1000 UR	50 yd.	9.1 oz.	59 in.
726162	Forest Green	1000 UR	50 yd.	9.1 oz.	59 in.
726127	Marigold	1000 UR	50 yd.	9.1 oz.	59 in.
726138	Navy	1000 UR	50 yd.	9.1 oz.	59 in.

Item #	Color	Denier	Put Up	Weight	Width
726132	Red	1000 UR	50 yd.	9.1 oz.	59 in.
726170	WWII Autumn Camo Print	1000 D	50 yd.	10.5 oz.	59 in.

726170 - 1 oz. Urethane Coating

Cordura® is a registered trademark of INVISTA.

## California Oxford Cloth

Lightweight, water-repellent nylon oxford ideal for linings, lightweight bags and promotional items.

<b>Fabric</b>	210-Denier Nylon
<b>Finish</b>	Urethane Coated, DWR

Item #	Style #	Color	Denier	Put Up	Weight	Width
726452	210D	Black	210 D	100 yd.	4 oz.	58 in.
726454	210D	Forest Green	210 D	100 yd.	4 oz.	58 in.
726458	210D	Red	210 D	100 yd.	4 oz.	58 in.
726461	210D	Royal Electric Blue	210 D	100 yd.	4 oz.	58 in.
726450	210D	White	210 D	100 yd.	4 oz.	58 in.

## Kentucky Pack Cloth

<b>Fabric</b>	420-Denier Nylon
<b>Finish</b>	3/4 oz. Urethane Coated, DWR

Item #	Color	Denier	Put Up	Weight	Width
726202	Black	420 SD	70 yd.	5.2 oz.	58 in.
726210	Burgundy	420 SD	70 yd.	5.2 oz.	58 in.
726215	Charcoal	420 SD	70 yd.	5.2 oz.	58 in.
726208	Coffee Brown	420 SD	70 yd.	5.2 oz.	58 in.
726211	Electric Blue	420 SD	70 yd.	5.2 oz.	58 in.
726224	Fluorescent Orange	420 SD	70 yd.	5.2 oz.	58 in.
726204	Forest Green	420 SD	70 yd.	5.2 oz.	58 in.
726212	Light Navy	420 SD	70 yd.	5.2 oz.	58 in.
726207	Orange	420 SD	70 yd.	5.2 oz.	58 in.
726223	True Red	420 SD	70 yd.	5.2 oz.	58 in.
726200	White	420 SD	70 yd.	5.2 oz.	58 in.
726229	Woodland Camo	420 SD	70 yd.	5.2 oz.	58 in.
726219	Yellow	420 SD	70 yd.	5.2 oz.	58 in.

Oregon Oxford Cloth

This popular lightweight construction is urethane back-coated, rendering a good degree of water repellency while maintaining a soft hand. Not affected by rot or mildew.

Suggested Uses: Bicycle bags, storage covers, apparel, duffel bags, wallets, backpacks, ski-cases and handbags.

Fabric	200-Denier Nylon
Finish	1/2-3/4 oz. Urethane Coating, DWR

Item #	Color	Denier	Put Up	Weight	Width
724322	Black	200 UR	100 yd.	3.5 oz.	59 in.
724323	Navy Blue	200 UR	100 yd.	3.5 oz.	59 in.
724321	Red	200 UR	100 yd.	3.5 oz.	59 in.
724305	Yellow	200 UR	100 yd.		59 in.

Nylon Taffeta

A good choice when a lightweight yarn with a firm hand is needed. This 70-Denier nylon taffeta can be used in applications such as purses, bags, cases and storage covers.

Fabric	70-Denier Nylon Taffeta
Finish	PVC Backed

Item #	Color	Put Up	Weight	Width
724792	Black	70 yd.	9.4 oz.	58 in.

Montana Cloth

An economical alternative for the 1000-Denier nylon fabrics, Montana is a water-resistant fabric with excellent resistance to scuffing and pilling. It stands up to demanding use and has a long-lasting colorfastness.

Suggested Uses: Bags and softsided luggage.

Fabric	100% Polyester
Finish	1.0-1.25 oz. Urethane Coated, DWR

Item #	Color	Fabric Count	Put Up	Weight	Width
726420	Black	900 x 1200 Denier	60 yd.	10.25 +/- 0.50 oz.	59/60 in.

Texas Cloth

Fabric	600-Denier x 300-Denier Polyester
Finish	Embossed Vinyl Backing

Item #	Color	Put Up	Weight	Width
726271	Black	50 yd.	11.78 oz.	57 in.
726273	Charcoal	50 yd.	11.78 oz.	57 in.
726261	Coyote Brown	50 yd.	11.78 oz.	57 in.
726267	Forest Green	50 yd.	11.78 oz.	57 in.
726277	Light Navy	50 yd.	11.78 oz.	57 in.
726270	Red	50 yd.	11.78 oz.	57 in.
726266	Royal Blue	50 yd.	11.78 oz.	57 in.
726264	Tan	50 yd.	11.78 oz.	57 in.
726274	White	50 yd.	11.78 oz.	57 in.
726262	Woodland Camo	50 yd.	11.78 oz.	57 in.



AwnTex® 70

Ideal for awning and umbrella applications. AwnTex gives excellent shading advantages without trapping heat or airflow. Ultraviolet ray and mildew resistant.

AwnTex is infused with Microban® antimicrobial product protection, helping to provide an additional level of cleanliness protection that won't wash or wear away for the lifetime of the fabric. Microban protection inhibits the growth of stain and odor-causing bacteria, mold and mildew and works continuously, keeping fabrics cleaner for longer.

Fabric	Vinyl Encapsulated Polyester
FR Standards Met	California State Fire Marshal Title 19; NFPA-701 (Test Method 1 & 2); ASTM E-84
Warranty	5-Year

Item #	Style #	Color	Fabric Count	Put Up	Weight	Width
863209	OF1	Almond	17 x 11	30 yd.	11.7 oz.	60 in.
863215	Z24	Ash Gray	17 x 11	30 yd.	11.7 oz.	60 in.
863225	EF1	Beige	17 x 11	30 yd.	11.7 oz.	60 in.
863201	Z81	Black	17 x 11	30 yd.	11.7 oz.	60 in.
863203	HY0	Royal Blue	17 x 11	30 yd.	11.7 oz.	60 in.
863218	D70	Spruce Green	17 x 11	30 yd.	11.7 oz.	60 in.

Item #	Style #	Color	Fabric Count	Put Up	Weight	Width
863206	OC2	White	17 x 11	30 yd.	11.7 oz.	60 in.

AwnTex® is a registered trademark of Glen Raven, Inc. Microban® is a registered trademark of Microban Products Company.

## AwnTex® 160

With a wider width, AwnTex 160 delivers excellent solar performance. In a range of unique colors, the mesh fabric adds style to any outdoor space. It shades without trapping heat or airflow. The fabric is flame retardant and resists UV rays, mildew, and water.

AwnTex is suffused with Microban® antimicrobial technology. Microban inhibits the growth of stains and odor-causing bacteria, keeping your awning fabrics clean for longer.

Suggested uses: patio awnings, umbrellas, window covers.

<b>Fabric</b>	Vinyl Encapsulated Polyester
<b>FR Standards Met</b>	California State Fire Marshal Title 19; NFPA-701 (Test Method 1 & 2); ASTM E-84
<b>Warranty</b>	5-Year

Item #	Style #	Color	Fabric Count	Put Up	Weight	Width
863421	NX6	Almond / Brown Tweed	36 x 16	30 yd.	14.3 oz.	98 in.
863418	NX6	Almond / Brown Tweed	36 x 16	30 yd.	14.3 oz.	60 in.
863415	YIE	Ash Tweed	36 x 16	30 yd.	14.3 oz.	60 in.
863402	EF6	Beige	36 x 16	30 yd.	14.3 oz.	60 in.
863409	XMY	Black	36 x 16	30 yd.	14.3 oz.	60 in.
863412	KAW	Brick Tweed	36 x 16	30 yd.	14.3 oz.	60 in.
863419	KAX	Cabernet Tweed	36 x 16	30 yd.	14.3 oz.	60 in.
863414	YIF	Coal Tweed	36 x 16	30 yd.	14.3 oz.	60 in.
863403	EF7	Dark Brown	36 x 16	30 yd.	14.3 oz.	60 in.
863416	NX8	Dark Brown Tweed	36 x 16	30 yd.	14.3 oz.	60 in.
863420	NX8	Dark Brown Tweed	36 x 16	30 yd.	14.3 oz.	98 in.
863410	DM3	Dark Green	36 x 16	30 yd.	14.3 oz.	60 in.
863408	EF8	Desert Tan	36 x 16	30 yd.	14.3 oz.	60 in.
863405	XM2	Gray	36 x 16	30 yd.	14.3 oz.	60 in.
863413	DBZ	Olive Tweed	36 x 16	30 yd.	14.3 oz.	60 in.
863407	L42	Royal Blue	36 x 16	30 yd.	14.3 oz.	60 in.
863417	NX7	Taupe	36 x 16	30 yd.	14.3 oz.	60 in.
863411	KAV	Terra Cotta	36 x 16	30 yd.	14.3 oz.	60 in.
863404	ODY	White	36 x 16	30 yd.	14.3 oz.	60 in.
863422	EF5	Winter Wheat	36 x 16	30 yd.	14.3 oz.	98 in.
863400	EF5	Winter Wheat	36 x 16	30 yd.	14.3 oz.	60 in.

AwnTex® is a registered trademark of Glen Raven, Inc. Microban® is a registered trademark of Microban Products Company.



## Phifertex®

Phifertex is a highly stable and durable mesh fabric. It is infused with Microban® antimicrobial product protection, helping to provide an additional level of cleanliness protection that won't wash or wear away for the lifetime of the fabric. Microban protection inhibits the growth of stain and odor-causing bacteria, mold and mildew and works continuously, keeping fabrics cleaner for longer. This product is GREENGUARD® certified for low chemical emissions. UL.Com/GG, UL2818.

Phifertex Standard is not recommended for use in sling applications.

Suggested uses: outdoor furniture, umbrellas, office furniture, orthopedic equipment, upholstery, safety vests, unique heat-filtering awnings.

<b>Fabric</b>	Vinyl Encapsulated Polyester Yarns
<b>FR Standards Met</b>	California Technical Bulletin 117, Section E
<b>Warranty</b>	3-Year

Item #	Style #	Color	Fabric Count	Put Up	Weight	Width
997145	186	Almond	17 x 11	60 yd.	11.7 oz.	54 in.
997152	X04	Black	17 x 11	60 yd.	11.7 oz.	54 in.
997148	800	Brown	17 x 11	60 yd.	11.7 oz.	54 in.
997149	812	Camel	17 x 11	60 yd.	11.7 oz.	54 in.
997173	M96	Christmas Red	17 x 11	60 yd.	11.7 oz.	54 in.
997150	X11	Grey	17 x 11	60 yd.	11.7 oz.	54 in.
997235	X00	Grey Sand	17 x 11	60 yd.	11.7 oz.	54 in.
997143	406	Lemon Yellow	17 x 11	60 yd.	11.7 oz.	54 in.
997147	G01	Navy	17 x 11	60 yd.	11.7 oz.	54 in.
997146	412	Orange	17 x 11	60 yd.	11.7 oz.	54 in.
997141	G00	Royal Blue	17 x 11	60 yd.	11.7 oz.	54 in.
997136	A40	Spice	17 x 11	60 yd.	11.7 oz.	54 in.
997171	C09	Spruce	17 x 11	60 yd.	11.7 oz.	54 in.
997142	000	White	17 x 11	60 yd.	11.7 oz.	54 in.

997173 - Trivantage® makes no claim as to the colorfastness of M96 Red. Customer should determine suitability of fabric to needs.

Phifertex® is a registered trademark of Phifer Inc. Microban® is a registered trademark of Microban Products Company. GREENGUARD® is a registered trademark of GREENGUARD Environmental Institute.





# Phifertex® Plus

Phifertex Plus carries a heavier weight and denser fabric count for heavy-duty projects. The fabric offers reliable protection and comfort. It resists ripping, sagging, and fading.

Phifer’s patented Microban® technology supplies an added layer of protection. The antimicrobial solution inhibits the growth of stain and odor-causing bacteria, mold, and mildew for lasting cleanliness.

This product is GREENGUARD® certified and made in the USA.

Suggested uses: sling chairs and other outdoor furniture, umbrellas, roller shades and other sun screens, pergola, canopies.

Fabric	Vinyl Encapsulated Polyester Yarns
FR Standards Met	California Technical Bulletin 117, Section E
Warranty	3-Year

Item #	Style #	Color	Fabric Count	Put Up	Weight	Width
997298	X04	Black	42 x 12	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997299	BH4	Burlap	42 x 12	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997745	NAK	Copperlite	42 x 14	60 yd.	15.8 oz.	54 in.
997557	DJ7	Dupione Kiwi	42 x 12	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997555	L37	Dupione Poolside	42 x 12	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997316	L96	Dupione Sapphire	42 x 14	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997315	KT1	Dupione Spice	42 x 14	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997289	DB6	Garden Green	42 x 12	60 yd.	16.5 oz. (+/- 0.5)	54 in.

Item #	Style #	Color	Fabric Count	Put Up	Weight	Width
997108	X00	Grey Sand	42 x 12	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997122	CL1	Holly Green	42 x 12	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997602	LFV	Madras Tweed Harbor	42 x 14	60 yd.	15.8 oz. (+/- 0.5)	54 in.
997603	LFW	Madras Tweed Surf	42 x 14	60 yd.	15.8 oz. (+/- 0.5)	54 in.
997744	KBO	Madras Tweed Terracotta	42 x 14	60 yd.	15.8 oz. (+/- 0.5)	54 in.
997589	YHM	Metallica Lagoon	42 x 14	60 yd.	15.8 oz. (+/- 0.5)	54 in.
997464	XUP	Metallica Platinum	42 x 14	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997302	KK3	Metallica Salsa	42 x 12	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997314	XXG	Metallica Smoke	42 x 14	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997300	OHK	Metallica White	42 x 14	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997747	ZAY	Mica Pearl	42 x 14	60 yd.	15.8 oz.	54 in.
997124	GP5	Navy Pier	42 x 12	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997125	G00	Royal Blue	42 x 12	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997295	KG4	Salsa	42 x 12	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997288	KF4	Snappy	42 x 12	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997498	LEA	Spring Tweed Aqua Shimmer	42 x 14	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997497	DAV	Spring Tweed Citronelle	42 x 14	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997604	NW6	Spring Tweed Copper	42 x 14	60 yd.	15.8 oz. (+/- 0.5)	54 in.
997605	YHM	Spring Tweed Silver	42 x 14	60 yd.	15.8 oz. (+/- 0.5)	54 in.
997301	LBY	Straw Mat Blue	42 x 14	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997129	OY3	Stucco	42 x 12	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997472	LDC	Tweed Indigo	42 x 14	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997471	DAH	Tweed Taffy	42 x 14	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997121	000	White	42 x 12	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997123	406	Yellow	42 x 12	60 yd.	16.5 oz. (+/- 0.5)	54 in.

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## Phifertex® Stripes

Featuring a classic stripe design, Phifertex Stripes fabrics are 100% PVC. They combine durable polyester with a protective vinyl coating for reliable defense against harsh climates. The material also resists fading and tearing for lasting utility.

The key benefits of Phifertex fabrics come from their integrated Microban® antimicrobial protection. The solution fights stain and odor-causing bacteria, mold, and mildew.

This product is GREENGUARD® certified to meet strict environmental standards. Made in the USA.

Suggested uses: sling chairs and other sling outdoor furniture.

<b>Fabric</b>	Vinyl Encapsulated Polyester Yarns
<b>FR Standards Met</b>	California Technical Bulletin 117, Section E
<b>Warranty</b>	3-Year

Item #	Style #	Color	Fabric Count	Put Up	Weight	Width
997429	GY0	Aquafino	42 x 14	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997494	LEB	Bailey Stripe Aqua Shimmer	42 x 14	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997493	DAW	Bailey Stripe Citronelle	42 x 14	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997137	687	Charisma Citrus	42 x 14	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997468	XUM	Coastline Peacock	42 x 14	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997552	DJ5	Delray Stripe Conch	42 x 14	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997551	DJ6	Delray Stripe Kiwi	42 x 14	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997550	L38	Delray Stripe Poolside	42 x 14	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997756	LHR	Elise Stripe Chesapeake	42 x 14	60 yd.	15.8 oz. (+/- 0.5)	54 in.
997139	LAN	Leena Indigo	42 x 14	60 yd.	16.5 oz. (+/- 0.5)	54 in.

Item #	Style #	Color	Fabric Count	Put Up	Weight	Width
997759	ZBD	Marlo Stripe Onyx	42 x 14	60 yd.	15.8 oz. (+/- 0.5)	54 in.
997607	LFY	Owen Stripe Surf	42 x 14	60 yd.	15.8 oz. (+/- 0.5)	54 in.
997606	LFX	Palazzo Stripe Harbor	42 x 14	60 yd.	15.8 oz. (+/- 0.5)	54 in.
997614	EY1	Pulse Dahlia	42 x 14	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997473	DAI	Raleigh Stripe Willow	42 x 14	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997433	KG3	Santiago Stripe	42 x 14	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997475	NN5	Saylor Stripe Sepia	42 x 14	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997466	XUQ	Skyline Stripe Verde	42 x 14	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997616	YAC	Tempo Stone	42 x 14	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997474	LDB	Trixie Stripe Myrtle	42 x 14	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997608	NW7	Vineyard Stripe Copper	42 x 14	60 yd.	15.8 oz. (+/- 0.5)	54 in.
997609	YHN	Vineyard Stripe Silver	42 x 14	60 yd.	15.8 oz. (+/- 0.5)	54 in.
997441	L09	Windsor Stripe Spa	42 x 14	60 yd.	16.5 oz. (+/- 0.5)	54 in.
997617	LBX	Winsted Stripe Beach	42 x 14	60 yd.	16.5 oz. (+/- 0.5)	54 in.

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## SheerWeave® 1000

SheerWeave 1000 is a ribbed-weave fiberglass fabric. It offers excellent shading while allowing outward visibility and daytime privacy. Average openness is 25%.

SheerWeave sun control fabrics offer exciting alternatives to ordinary window coverings. Their unique light-filtering qualities help reduce fading of drapes, carpets, and indoor furnishings.

FABRIC SCREEN AND MESH

SheerWeave 1000 is infused with Microban® antimicrobial product protection, helping to provide an added level of cleanliness that won't wash or wear away. Microban inhibits the growth of stain and odor-causing bacteria, mold, and mildew. It works continuously, keeping fabrics cleaner for longer. This product is GREENGUARD® and GREENGUARD® Gold certified.

Suggested uses: roll-up shades, Roman shades, folding shades, pleated shades, vertical blinds, drapes, sheers, screens.

Fabric	Vinyl Encapsulated Fiberglass Yarns
FR Standards Met	California U.S. Title 19 (small scale), NFPA 701-2004 TM#1 (small scale), NFPA 101 (Class A Rating), IBC Section 903.1 (Class A Rating), BS 5867 2008 Part 2 Type B Performance and NFPA 701 TM#2 (large scale), and ASTM E 84 (Class 1)
Warranty	10-Year Interior; 5-Year Exterior

Item #	Style #	Color	Put Up	Weight	Width
901965	P03	Antique White	30 yd.	8.8 oz.	36 in.
901967	P03	Antique White	30 yd.	8.8 oz.	48 in.
901970	P03	Antique White	30 yd.	8.8 oz.	72 in.
901981	P03	Antique White	30 yd.	8.8 oz.	84 in.
901973	P02	White	30 yd.	8.8 oz.	36 in.
901977	P02	White	30 yd.	8.8 oz.	72 in.
901980	P02	White	30 yd.	8.8 oz.	84 in.

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SheerWeave® 2000-01

SheerWeave 2000-01 is a basket-weave fabric, designed expressly for applications that require a more opaque and non-directional fabric. Average openness is 5%.

SheerWeave sun control fabrics provide inventive options in window coverings. The distinct light-filtering traits reduce fading of indoor furniture, drapes, and carpets.

SheerWeave 2000-01 is equipped with Microban® antimicrobial product protection, providing an added layer of cleanliness that won't wear or wash away. Microban reduces the growth of stain and odor-causing bacteria, mold, and mildew. It helps keep fabrics cleaner for longer. This fabric is GREENGUARD® and GREENGUARD® Gold certified.

Suggested uses: roll-up shades, Roman shades, vertical blinds, folding shades, pleated shades, drapes, sheers, screens.

Fabric	Vinyl Encapsulated Fiberglass Yarns
FR Standards Met	California U.S. Title 19 (small scale), NFPA 701-2004 TM#1 (small scale), NFPA 101 (Class A Rating), IBC Section 903.1 (Class A Rating), BS 5867 2008 Part 2 Type B Performance, NFPA 701 TM#2 (large scale), CAN/ULC-S109 (large and small scale), ASTM E 84 (Class 1) and CAN/CGSB2-4.162-M80
Warranty	10-Year Interior; 5-Year Exterior

Item #	Style #	Color	Put Up	Weight	Width
901845	Q06	Bone / Platinum	30 yd.	14.26 oz.	63 in.
901857	Q06	Bone / Platinum	30 yd.	14.26 oz.	98 in.
901844	Q05	Bone	30 yd.	14.26 oz.	63 in.
901856	Q05	Bone	30 yd.	14.26 oz.	98 in.
901500	Q10	Bronze	30 yd.	14.26 oz.	126 in.
901847	Q10	Bronze	30 yd.	14.26 oz.	63 in.
901858	Q10	Bronze	30 yd.	14.26 oz.	98 in.
901851	V24	Charcoal / Chestnut	30 yd.	14.26 oz.	63 in.
901862	V24	Charcoal / Chestnut	30 yd.	14.26 oz.	98 in.
901850	V22	Charcoal / Gray	30 yd.	14.26 oz.	63 in.
901861	V22	Charcoal / Gray	30 yd.	14.26 oz.	98 in.
901849	V21	Charcoal	30 yd.	14.26 oz.	63 in.
901860	V21	Charcoal	30 yd.	14.26 oz.	98 in.
901848	V04	Platinum	30 yd.	14.26 oz.	63 in.
901859	V04	Platinum	30 yd.	14.26 oz.	98 in.
901842	P04	White / Bone	30 yd.	14.26 oz.	63 in.
901853	P04	White / Bone	30 yd.	14.26 oz.	98 in.
901843	P05	White / Platinum	30 yd.	14.26 oz.	63 in.
901855	P05	White / Platinum	30 yd.	14.26 oz.	98 in.
901501	P02	White	30 yd.	14.26 oz.	126 in.
901799	P02	White	30 yd.	14.26 oz.	63 in.
901852	P02	White	30 yd.	14.26 oz.	98 in.

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## SheerWeave® 2100-01

SheerWeave sun control fabrics offer exciting alternatives to ordinary window coverings. The unique light-filtering qualities of SheerWeave help reduce fading of drapes, carpets and interior furnishings while continuing to offer a view of the outside.

A basket weave designed expressly for applications that require a more opaque and nondirectional fabric. An ideal fabric for roman shades, roll-ups and vertical blinds. Average openness 10%.

SheerWeave is infused with Microban® antimicrobial product protection, helping to provide an additional level of cleanliness protection that won't wash or wear away for the lifetime of the fabric. Microban protection inhibits the growth of stain and odor-causing bacteria, mold and mildew and works continuously, keeping fabrics cleaner for longer. This product is GREENGUARD® and GREENGUARD® Gold certified.

Fabric	Vinyl Encapsulated Fiberglass Yarns
FR Standards Met	California U.S. Title 19 (small scale), NFPA 701-2004 TM#1 (small scale), NFPA 101 (Class A Rating), IBC Section 903.1 (Class A Rating), BS 5867 2008 Part 2 Type B Performance, NFPA 701 TM#2 (large scale), CAN/ULC-S109 (large and small scale), ASTM E 84 (Class 1) and CAN/CGSB2-4.162-M80
Warranty	10-Year Interior; 5-Year Exterior

Item #	Style #	Color	Put Up	Weight	Width
901867	Q06	Bone / Platinum	30 yd.	12.4 oz.	63 in.
901878	Q06	Bone / Platinum	30 yd.	12.4 oz.	98 in.
901866	Q05	Bone	30 yd.	12.4 oz.	63 in.
901877	Q05	Bone	30 yd.	12.4 oz.	98 in.
901868	Q10	Bronze	30 yd.	12.4 oz.	63 in.
901879	Q10	Bronze	30 yd.	12.4 oz.	98 in.
901873	V24	Charcoal / Chestnut	30 yd.	12.4 oz.	63 in.
901884	V24	Charcoal / Chestnut	30 yd.	12.4 oz.	98 in.
901872	V22	Charcoal / Gray	30 yd.	12.4 oz.	63 in.
901883	V22	Charcoal / Gray	30 yd.	12.4 oz.	98 in.
901871	V21	Charcoal	30 yd.	12.4 oz.	63 in.
901882	V21	Charcoal	30 yd.	12.4 oz.	98 in.

Item #	Style #	Color	Put Up	Weight	Width
901869	V04	Platinum	30 yd.	12.4 oz.	63 in.
901880	V04	Platinum	30 yd.	12.4 oz.	98 in.
901864	P04	White / Bone	30 yd.	12.4 oz.	63 in.
901875	P04	White / Bone	30 yd.	12.4 oz.	98 in.
901865	P05	White / Platinum	30 yd.	12.4 oz.	63 in.
901876	P05	White / Platinum	30 yd.	12.4 oz.	98 in.
901863	P02	White	30 yd.	12.4 oz.	63 in.
901874	P02	White	30 yd.	12.4 oz.	98 in.

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## SheerWeave® 2360

Manufactured with ease of fabrication in mind, SheerWeave 2360 is a basket weave designed expressly for those applications that require a more opaque and non-directional fabric. An ideal fabric for Roman and pull-up shades. Average openness 10%.

SheerWeave is infused with Microban® antimicrobial product protection, helping to provide an additional level of cleanliness protection that won't wash or wear away for the lifetime of the fabric. Microban protection inhibits the growth of stain and odor-causing bacteria, mold and mildew and works continuously, keeping fabrics cleaner for longer. This product is GREENGUARD® and GREENGUARD® Gold certified.

Fabric	Vinyl Encapsulated Fiberglass Yarns
FR Standards Met	California U.S. Title 19 (small scale), NFPA 701-2004 TM#1 (small scale), NFPA 101 (Class A Rating), IBC Section 903.1 (Class A Rating), BS 5867 2008 Part 2 Type B Performance, NFPA 701 TM#2 (large scale), CAN/ULC-S109-03 (large and small scale), ASTM E 84 (Class 1), and CAN/CGSB2-4.162-M80
Warranty	10-Year Interior; 5-Year Exterior

Item #	Style #	Color	Put Up	Weight	Width
901786	Q21	Beige / Pearl Gray	30 yd.	10.5 oz.	63 in.
901777	Q21	Beige / Pearl Gray	30 yd.	10.5 oz.	98 in.
901771	Q20	Beige	30 yd.	10.5 oz.	98 in.
901784	V24	Charcoal / Chestnut	30 yd.	10.5 oz.	63 in.
901770	V24	Charcoal / Chestnut	30 yd.	10.5 oz.	98 in.
901785	V22	Charcoal / Gray	30 yd.	10.5 oz.	63 in.
901778	V22	Charcoal / Gray	30 yd.	10.5 oz.	98 in.
901782	V21	Charcoal	30 yd.	10.5 oz.	63 in.
901776	V21	Charcoal	30 yd.	10.5 oz.	98 in.
901783	P13	Oyster / Beige	30 yd.	10.5 oz.	63 in.
901773	P13	Oyster / Beige	30 yd.	10.5 oz.	98 in.
901775	P14	Oyster / Pearl Gray	30 yd.	10.5 oz.	98 in.
901780	P12	Oyster	30 yd.	10.5 oz.	63 in.
901772	P12	Oyster	30 yd.	10.5 oz.	98 in.
901781	V20	Pearl Gray	30 yd.	10.5 oz.	63 in.
901774	V20	Pearl Gray	30 yd.	10.5 oz.	98 in.

SheerWeave® is a registered trademark of Phifer Inc. Microban® is a registered trademark of Microban Products Company. GREENGUARD® is a registered trademark of GREENGUARD Environmental Institute.

SheerWeave® 2390

Manufactured with ease of fabrication in mind, SheerWeave 2390 is a basket weave designed expressly for those applications that require a more opaque and non-directional fabric. An ideal fabric for Roman and pull-up shades. Average openness 5%.

SheerWeave is infused with Microban® antimicrobial product protection, helping to provide an additional level of cleanliness protection that won't wash or wear away for the lifetime of the fabric. Microban protection inhibits the growth of stain and odor-causing bacteria, mold and mildew and works continuously, keeping fabrics cleaner for longer. This product is GREENGUARD® and GREENGUARD® Gold certified.

Fabric	Vinyl Encapsulated Fiberglass Yarns
FR Standards Met	California U.S. Title 19 (small scale), NFPA 701-2004 TM#1 (small scale), NFPA 101 (Class A Rating), IBC Section 903.1 (Class A Rating), BS 5867 2008 Part 2 Type B Performance, NFPA 701 TM#2 (large scale), CAN/ULC-S109-03 (large and small scale), ASTM E 84 (Class 1), and CAN/CGSB2-4.162-M80
Warranty	10-Year Interior; 5-Year Exterior

Item #	Style #	Color	Put Up	Weight	Width
901754	Q21	Beige / Pearl Gray	30 yd.	11.8 oz.	63 in.
901749	Q21	Beige / Pearl Gray	30 yd.	11.8 oz.	98 in.
901796	Q20	Beige	30 yd.	11.8 oz.	126 in.
901753	Q20	Beige	30 yd.	11.8 oz.	63 in.
901747	Q20	Beige	30 yd.	11.8 oz.	98 in.
901757	V32	Charcoal / Alpaca	30 yd.	11.8 oz.	98 in.
901790	V24	Charcoal / Chestnut	30 yd.	11.8 oz.	126 in.
901755	V24	Charcoal / Chestnut	30 yd.	11.8 oz.	63 in.
901744	V24	Charcoal / Chestnut	30 yd.	11.8 oz.	98 in.
901794	V22	Charcoal / Gray	30 yd.	11.8 oz.	126 in.
901756	V22	Charcoal / Gray	30 yd.	11.8 oz.	63 in.
901741	V22	Charcoal / Gray	30 yd.	11.8 oz.	98 in.
901793	V21	Charcoal	30 yd.	11.8 oz.	126 in.
901743	V21	Charcoal	30 yd.	11.8 oz.	98 in.
901795	P13	Oyster / Beige	30 yd.	11.8 oz.	126 in.
901751	P13	Oyster / Beige	30 yd.	11.8 oz.	63 in.
901742	P13	Oyster / Beige	30 yd.	11.8 oz.	98 in.
901792	P14	Oyster / Pearl Gray	30 yd.	11.8 oz.	126 in.
901750	P14	Oyster / Pearl Gray	30 yd.	11.8 oz.	63 in.
901748	P14	Oyster / Pearl Gray	30 yd.	11.8 oz.	98 in.
901791	P12	Oyster	30 yd.	11.8 oz.	126 in.
901752	P12	Oyster	30 yd.	11.8 oz.	63 in.
901745	P12	Oyster	30 yd.	11.8 oz.	98 in.
901746	V20	Pearl Gray	30 yd.	11.8 oz.	98 in.

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SheerWeave® 2390 Performance +

SheerWeave Performance + takes the performance of a traditional SheerWeave fabric “plus” the highly reflective properties of metallization and combines them to achieve the ultimate in sun control protection.

SheerWeave is infused with Microban® antimicrobial product protection, helping to provide an additional level of cleanliness protection that won't wash or wear away for the lifetime of the fabric. Microban protection inhibits the growth of stain and odor-causing bacteria, mold and mildew and works continuously, keeping fabrics cleaner for longer. This product is GREENGUARD® and GREENGUARD® Gold certified.

The metalized coating is fragile and must be handled with care to avoid damage. Do not scrub. Do not use tape, solvents or abrasive cleaners which could damage the fabric coating. Clean with a damp soft cloth using a mild detergent. Rinse with clean water and allow blind to dry in the down position. Do not slide metalized side across surfaces or into the cardboard tube without protective plastic wrapping. Do not use Radio Frequency sealing equipment on metalized fabric. Use only heat bars or ultrasonic sealing equipment for welding.

Fabric	Metalized Vinyl Encapsulated Fiberglass Yarns
FR Standards Met	California U.S. Title 19 (small scale), ASTM E 84 (Class 1), NFPA 701-2004 TM#1 (small scale), NFPA 101 (Class A Rating), IBC Section 903.1 (Class A Rating), BS 5867 2008 Part 2 Type B Performance, NFPA 701 TM#2 (large scale), CAN/ ULC-S 109 (large and small scale) and CAN/CGSB2-4.162-M80
Warranty	5 Year Interior Only

Item #	Style #	Color	Put Up	Weight	Width
901768	Q21	Beige / Pearl Gray	30 yd.	11.8 oz.	96 in.
901765	Q20	Beige	30 yd.	11.8 oz.	63 in.
901762	Q20	Beige	30 yd.	11.8 oz.	96 in.
901759	V24	Charcoal / Chestnut	30 yd.	11.8 oz.	63 in.
901758		Charcoal / Gray	30 yd.	11.8 oz.	96 in.
901763	V22	Charcoal	30 yd.	11.8 oz.	63 in.
901767	V21	Charcoal	30 yd.	11.8 oz.	96 in.
901760	P13	Oyster / Beige	30 yd.	11.8 oz.	96 in.
901766	P14	Oyster / Pearl Gray	30 yd.	11.8 oz.	96 in.
901769	P12	Oyster	30 yd.	11.8 oz.	96 in.
901761	V20	Pearl Gray	30 yd.	11.8 oz.	96 in.

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SheerWeave® 2410

A full basket weave designed expressly for those applications that require a more opaque and non-directional fabric, for example: roll-up shades, roller shades, Roman shades and vertical blinds. Average openness 3%.

SheerWeave is infused with Microban® antimicrobial product protection, helping to provide an additional level of cleanliness protection that won't wash or wear away for the lifetime of the fabric. Microban protection inhibits the growth of stain and odor-causing bacteria, mold and mildew and works continuously, keeping fabrics cleaner for longer. This product is GREENGUARD® and GREENGUARD® Gold certified.

<b>Fabric</b>	Vinyl Encapsulated Fiberglass Yarns
<b>FR Standards Met</b>	California U.S. Title 19 (small scale), NFPA 701-2004 TM#1 (small scale), NFPA 101 (Class A Rating), IBC Section 903.1 (Class A Rating), BS 5867 2008 Part 2 Type B Performance, NFPA 701 TM#2 (large scale), CAN/ULC-S109-03 (large and small scale), ASTM E 84 (Class 1), and CAN/CGSB2-4.162-M80
<b>Warranty</b>	10-Year Interior; 5-Year Exterior

Item #	Style #	Color	Put Up	Weight	Width
901713	Q21	Beige / Pearl Gray	30 yd.	14.1 oz.	63 in.
901727	Q21	Beige / Pearl Gray	30 yd.	14.1 oz.	98 in.
901736	Q20	Beige	30 yd.	14.1 oz.	126 in.
901725	Q20	Beige	30 yd.	14.1 oz.	98 in.
901733	V32	Charcoal / Alpaca	30 yd.	14.1 oz.	63 in.
901729	V32	Charcoal / Alpaca	30 yd.	14.1 oz.	98 in.
901730	V24	Charcoal / Chestnut	30 yd.	14.1 oz.	126 in.
901714	V24	Charcoal / Chestnut	30 yd.	14.1 oz.	63 in.
901722	V24	Charcoal / Chestnut	30 yd.	14.1 oz.	98 in.
901724	V22	Charcoal / Gray	30 yd.	14.1 oz.	98 in.
901723	V21	Charcoal	30 yd.	14.1 oz.	98 in.
901732	P13	Oyster / Beige	30 yd.	14.1 oz.	126 in.
901719	P13	Oyster / Beige	30 yd.	14.1 oz.	63 in.
901721	P13	Oyster / Beige	30 yd.	14.1 oz.	98 in.
901734	P14	Oyster / Pearl Gray	30 yd.	14.1 oz.	126 in.
901715	P14	Oyster / Pearl Gray	30 yd.	14.1 oz.	63 in.
901726	P14	Oyster / Pearl Gray	30 yd.	14.1 oz.	98 in.
901731	P12	Oyster	30 yd.	14.1 oz.	126 in.
901737	P12	Oyster	30 yd.	14.1 oz.	98 in.
901738	V20	Pearl Gray	30 yd.	14.1 oz.	126 in.
901720	V20	Pearl Gray	30 yd.	14.1 oz.	63 in.
901728	V20	Pearl Gray	30 yd.	14.1 oz.	98 in.

SheerWeave® is a registered trademark of Phifer Inc. Microban® is a registered trademark of Microban Products Company. GREENGUARD® is a registered trademark of GREENGUARD Environmental Institute.

## SheerWeave® 2410 Performance +

SheerWeave Performance + takes the performance of a traditional SheerWeave fabric “plus” the highly reflective properties of metallization and combines them to achieve the ultimate in sun control protection.

SheerWeave is infused with Microban® antimicrobial product protection, helping to provide an additional level of cleanliness protection that won't wash or wear away for the lifetime of the fabric. Microban protection inhibits the growth of stain and odor-causing bacteria, mold and mildew and works continuously, keeping fabrics cleaner for longer. This product is GREENGUARD® and GREENGUARD® Gold certified.

The metalized coating is fragile and must be handled with care to avoid damage. Do not scrub. Do not use tape, solvents or abrasive cleaners which could damage the fabric coating. Clean with a damp soft cloth using a mild detergent. Rinse with clean water and allow blind to dry in the down position. Do not slide metalized side across surfaces or into the cardboard tube without protective plastic wrapping. Do not use Radio Frequency sealing equipment on metalized fabric. Use only heat bars or ultrasonic sealing equipment for welding.

<b>Fabric</b>	Metalized Vinyl Encapsulated Fiberglass Yarns
<b>FR Standards Met</b>	California U.S. Title 19 (small scale), ASTM E 84 (Class 1), NFPA 701-2004 TM#1 (small scale), NFPA 101 (Class A Rating), IBC Section 903.1 (Class A Rating), BS 5867 2008 Part 2 Type B Performance, NFPA 701 TM#2 (large scale), CAN/ ULC-S 109 (large and small scale) and CAN/CGSB2-4.162-M80
<b>Warranty</b>	5 Year Interior Only

Item #	Style #	Color	Put Up	Weight	Width
901798			30 yd.	14.1 oz.	96 in.
901797	Q21	Beige / Pearl Gray	30 yd.	14.1 oz.	96 in.
901764	V21	Charcoal	30 yd.	14.1 oz.	96 in.

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## SheerWeave® 2500

This full basket weave is designed for those applications that require more opaque and non-directional fabric. Ideal for roll-up shades, Roman shades and vertical blinds. Average openness 1%.

SheerWeave is infused with Microban® antimicrobial product protection, helping to provide an additional level of cleanliness protection that won't wash or wear away for the lifetime of the fabric. Microban protection inhibits the growth of stain and odor-causing bacteria, mold and mildew and works continuously, keeping fabrics cleaner for longer. This product is GREENGUARD® and GREENGUARD® Gold certified.

<b>Fabric</b>	Vinyl Encapsulated Fiberglass Yarns
<b>FR Standards Met</b>	California U.S. Title 19 (small scale), NFPA 701-2004 TM#1 (small scale), NFPA 101 (Class A Rating), IBC Section 903.1 (Class A Rating), BS 5867 2008 Part 2 Type B Performance, NFPA 701 TM#2 (large scale), CAN/ULC-S109-03 (large and small scale), ASTM E 84 (Class 1), and CAN/CGSB2-4.162-M80
<b>Warranty</b>	10-Year Interior; 5-Year Exterior

Item #	Style #	Color	Put Up	Weight	Width
902512	Q21	Beige / Pearl Gray	30 yd.	16.25 oz.	126 in.
902492	Q21	Beige / Pearl Gray	30 yd.	16.25 oz.	63 in.
902506	Q21	Beige / Pearl Gray	30 yd.	16.25 oz.	98 in.
902494	Q20	Beige	30 yd.	16.25 oz.	63 in.
902505	Q20	Beige	30 yd.	16.25 oz.	98 in.
902511	V32	Charcoal / Alpaca	30 yd.	16.25 oz.	98 in.
902509	V24	Charcoal / Chestnut	30 yd.	16.25 oz.	126 in.
902495	V24	Charcoal / Chestnut	30 yd.	16.25 oz.	63 in.



Item #	Style #	Color	Put Up	Weight	Width
902504	V24	Charcoal / Chestnut	30 yd.	16.25 oz.	98 in.
902510	V22	Charcoal / Gray	30 yd.	16.25 oz.	126 in.
902601	V22	Charcoal / Grey	30 yd.	16.25 oz.	98 in.
902508	P13	Oyster / Beige	30 yd.	16.25 oz.	126 in.
902490	P13	Oyster / Beige	30 yd.	16.25 oz.	63 in.
902493	P14	Oyster / Pearl Gray	30 yd.	16.25 oz.	63 in.
902502	P14	Oyster / Pearl Gray	30 yd.	16.25 oz.	98 in.
902600	P12	Oyster	30 yd.	16.25 oz.	126 in.
902491	P12	Oyster	30 yd.	16.25 oz.	63 in.
902501	P12	Oyster	30 yd.	16.25 oz.	98 in.
902507	V20	Pearl / Gray	30 yd.	16.25 oz.	98 in.

SheerWeave® is a registered trademark of Phifer Inc. Microban® is a registered trademark of Microban Products Company. GREENGUARD® is a registered trademark of GREENGUARD Environmental Institute.

## SheerWeave® 2701

This lightweight fiberglass fabric is woven from a unique twill pattern that displaces the individual yarns to create a two-sided fabric for maximum performance in heat reduction, glare reduction and improved visibility. Average openness 1%.

SheerWeave is infused with Microban® antimicrobial product protection, helping to provide an additional level of cleanliness protection that won't wash or wear away for the lifetime of the fabric. Microban protection inhibits the growth of stain and odor-causing bacteria, mold and mildew and works continuously, keeping fabrics cleaner for longer. This product is GREENGUARD® and GREENGUARD® Gold certified.

Fabric	Vinyl Encapsulated Fiberglass Yarns
FR Standards Met	California U.S. Title 19 (small scale), NFPA 701-2004 TM#1 (small scale), NFPA 101 (Class A Rating), IBC Section 903.1 (Class A Rating), BS 5867 2008 Part 2 Type B Performance, NFPA 701 TM#2 (large scale), CAN/ULC-S 109-03 (large and small scale), ASTM E 84 (Class 1), and CAN/CGSB2-4. 162-M80
Warranty	10-Year Interior; 5-Year Exterior

Item #	Style #	Color	Put Up	Weight	Width
901703	P13	Oyster / Beige	30 yd.	14.6 oz.	126 in.
902180	P13	Oyster / Beige	30 yd.	14.6 oz.	63 in.
902185	P13	Oyster / Beige	30 yd.	14.6 oz.	98 in.
901696	P28	Oyster / Charcoal	30 yd.	14.6 oz.	126 in.
902184	P28	Oyster / Charcoal	30 yd.	14.6 oz.	63 in.
902187	P28	Oyster / Charcoal	30 yd.	14.6 oz.	98 in.
902218		Oyster / Chestnut	30 yd.	14.6 oz.	126 in.
901695	P92	Oyster / Chestnut	30 yd.	14.6 oz.	126 in.
902181	P92	Oyster / Chestnut	30 yd.	14.6 oz.	63 in.
902186	P92	Oyster / Chestnut	30 yd.	14.6 oz.	98 in.
902176	P14	Oyster / Pearl Gray	30 yd.	14.6 oz.	126 in.
902194	P14	Oyster / Pearl Gray	30 yd.	14.6 oz.	63 in.
902195	P14	Oyster / Pearl Gray	30 yd.	14.6 oz.	98 in.
902183	P91	Oyster / Pewter	30 yd.	14.6 oz.	63 in.

Item #	Style #	Color	Put Up	Weight	Width
902189	P91	Oyster / Pewter	30 yd.	14.6 oz.	98 in.
901712	P12	Oyster	30 yd.	14.6 oz.	126 in.
902182	P12	Oyster	30 yd.	14.6 oz.	63 in.
902188	P12	Oyster	30 yd.	14.6 oz.	98 in.

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## SheerWeave® 2703

This lightweight fiberglass fabric is woven from a unique twill pattern that displaces the individual yarns to create a two-sided fabric for maximum performance in heat reduction, glare reduction and improved visibility. Average openness 3%.

SheerWeave is infused with Microban® antimicrobial product protection, helping to provide an additional level of cleanliness protection that won't wash or wear away for the lifetime of the fabric. Microban protection inhibits the growth of stain and odor-causing bacteria, mold and mildew and works continuously, keeping fabrics cleaner for longer. This product is GREENGUARD® and GREENGUARD® Gold certified.

Fabric	Vinyl Encapsulated Fiberglass Yarns
FR Standards Met	California U.S. Title 19 (small scale), NFPA 701-2004 TM#1 (small scale), NFPA 101 (Class A Rating), IBC Section 903.1 (Class A Rating), BS 5867 2008 Part 2 Type B Performance, NFPA 701 TM#2 (large scale), CAN/ULC-S 109-03 (large and small scale), ASTM E 84 (Class 1), and CAN/CGSB2-4. 162-M80
Warranty	10-Year Interior; 5-Year Exterior

Item #	Style #	Color	Put Up	Weight	Width
901683	P13	Oyster / Beige	30 yd.	14 oz.	63 in.
901692	P13	Oyster / Beige	30 yd.	14 oz.	98 in.
901681	P28	Oyster / Charcoal	30 yd.	14 oz.	63 in.
901694	P28	Oyster / Charcoal	30 yd.	14 oz.	98 in.
901682	P92	Oyster / Chestnut	30 yd.	14 oz.	63 in.
901691	P92	Oyster / Chestnut	30 yd.	14 oz.	98 in.
901685	P14	Oyster / Pearl Gray	30 yd.	14 oz.	63 in.
901674	P14	Oyster / Pearl Gray	30 yd.	14 oz.	98 in.
901686	P14	Oyster / Pearl Gray	30 yd.	14 oz.	98 in.
901684	P91	Oyster / Pewter	30 yd.	14 oz.	63 in.
901690	P91	Oyster / Pewter	30 yd.	14 oz.	98 in.
901680	P12	Oyster	30 yd.	14 oz.	63 in.
901693	P12	Oyster	30 yd.	14 oz.	98 in.

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## SheerWeave® 2705

This lightweight fiberglass fabric is woven from a unique twill pattern that displaces the individual yarns to create a two-sided fabric for maximum performance in heat reduction, glare reduction and improved visibility. Average openness 5%.

SheerWeave is infused with Microban® antimicrobial product protection, helping to provide an additional level of cleanliness protection that won't wash or wear away for the lifetime of the fabric. Microban protection inhibits the growth of stain and odor-causing bacteria, mold and mildew and works continuously, keeping fabrics cleaner for longer. This product is GREENGUARD® and GREENGUARD® Gold certified.

<b>Fabric</b>	Vinyl Encapsulated Fiberglass Yarns
<b>FR Standards Met</b>	California U.S. Title 19 (small scale), NFPA 701-2004 TM#1 (small scale), NFPA 101 (Class A Rating), IBC Section 903.1 (Class A Rating), BS 5867 2008 Part 2 Type B Performance, NFPA 701 TM#2 (large scale), CAN/ULC-S 109-03 (large and small scale), ASTM E 84 (Class 1), and CAN/CGSB2-4. 162-M80
<b>Warranty</b>	10-Year Interior; 5-Year Exterior

Item #	Style #	Color	Put Up	Weight	Width
901688	P13	Oyster / Beige	30 yd.	11.8 oz.	98 in.
901698	P28	Oyster / Charcoal	30 yd.	11.8 oz.	126 in.
901706	P28	Oyster / Charcoal	30 yd.	11.8 oz.	63 in.
901701	P28	Oyster / Charcoal	30 yd.	11.8 oz.	98 in.
901697	P92	Oyster / Chestnut	30 yd.	11.8 oz.	126 in.
901704	p92	Oyster / Chestnut	30 yd.	11.8 oz.	63 in.
901707	P92	Oyster / Chestnut	30 yd.	11.8 oz.	98 in.
901689	P14	Oyster / Pearl Gray	30 yd.	11.8 oz.	126 in.
901687	P14	Oyster / Pearl Gray	30 yd.	11.8 oz.	63 in.
901679	P14	Oyster / Pearl Gray	30 yd.	11.8 oz.	98 in.
901702	P21	Oyster / Pewter	30 yd.	11.8 oz.	98 in.
901699	P12	Oyster	30 yd.	11.8 oz.	126 in.
901705	P12	Oyster	30 yd.	11.8 oz.	63 in.
901700	P12	Oyster	30 yd.	11.8 oz.	98 in.

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## SheerWeave® 2710

SheerWeave 2710 is a lightweight, fiberglass fabric woven from a unique twill pattern that displaces the single yarns to create a two-sided fabric. This allows for maximum heat reduction, glare reduction, and improved visibility. Average openness is 10%.

SheerWeave sun control fabrics offer unique alternatives to standard window coverings. Their light-filtering qualities help reduce fading of carpets, drapes, and interior furnishings.

SheerWeave 2710 is armed with Microban® antimicrobial protection, providing an added level of cleanliness protection. Microban discourages the growth of bacteria, mold, and mildew. It works continuously to keep fabrics clean. This fabric is GREENGUARD® and GREENGUARD® Gold certified.

Suggested uses: roll-up shades, Roman shades, vertical blinds, folding shades, pleated shades, drapes, sheers, screens.

<b>Fabric</b>	Vinyl Encapsulated Fiberglass Yarns
<b>FR Standards Met</b>	California U.S. Title 19 (small scale), NFPA 701-2004 TM#1 (small scale), NFPA 101 (Class A Rating), IBC Section 903.1 (Class A Rating), BS 5867 2008 Part 2 Type B Performance, NFPA 701 TM#2 (large scale), CAN/ULC-S 109-03 (large and small scale), ASTM E 84 (Class 1), and CAN/CGSB2-4. 162-M80
<b>Warranty</b>	10-Year Interior; 5-Year Exterior

Item #	Style #	Color	Put Up	Weight	Width
901739	P13	Oyster / Beige	30 yd.	10.4 oz.	98 in.
901709	P28	Oyster / Charcoal	30 yd.	10.4 oz.	63 in.
901711	P28	Oyster / Charcoal	30 yd.	10.4 oz.	98 in.
901708	P92	Oyster / Chestnut	30 yd.	10.4 oz.	63 in.
901710	P92	Oyster / Chestnut	30 yd.	10.4 oz.	98 in.

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## SheerWeave® 3000

An elegant and exquisite shading fabric. This style is ideal for roller shades, roman shades and a variety of other interior sun control applications. Average openness 14%.

SheerWeave is infused with Microban® antimicrobial product protection, helping to provide an additional level of cleanliness protection that won't wash or wear away for the lifetime of the fabric. Microban protection inhibits the growth of stain and odor-causing bacteria, mold and mildew and works continuously, keeping fabrics cleaner for longer. This product is GREENGUARD® and GREENGUARD® Gold certified.

<b>Fabric</b>	Vinyl Encapsulated Fiberglass/Polyester Yarns
<b>FR Standards Met</b>	NFPA 701-2004 TM#1 (small scale), NFPA 101 (Class A Rating), IBC Section 903.1 (Class A Rating) and NFPA 701 TM#2 (large scale), ASTM E 84 (Class 1)
<b>Warranty</b>	10-Year Interior; 5-Year Exterior

Item #	Style #	Color	Put Up	Weight	Width
902014	Q04	Chocolate	30 yd.	13.46 oz.	72 in.
902081	Q04	Chocolate	30 yd.	13.46 oz.	96 in.
902012	Q02	Custard Cream	30 yd.	13.46 oz.	72 in.
902027	Q18	Espresso	30 yd.	13.46 oz.	72 in.
902099	Q18	Espresso	30 yd.	13.46 oz.	96 in.
902072	Q19	Honey Sage	30 yd.	13.46 oz.	72 in.
902111	Q19	Honey Sage	30 yd.	13.46 oz.	96 in.
902011	Q01	Mushroom Sand	30 yd.	13.46 oz.	72 in.
902084	Q01	Mushroom Sand	30 yd.	13.46 oz.	96 in.
902062	V02	Ninja Grey	30 yd.	13.46 oz.	72 in.
902098	V02	Ninja Grey	30 yd.	13.46 oz.	96 in.
902061	V01	Pale Grey	30 yd.	13.46 oz.	72 in.
902001	P01	Pearl White	30 yd.	13.46 oz.	72 in.
902076	Q17	Sand Dollar	30 yd.	13.46 oz.	72 in.
902083	Q17	Sand Dollar	30 yd.	13.46 oz.	96 in.

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SheerWeave® 4000 ECO

SheerWeave 4000 ECO is PVC-free and designed with today's demanding, yet cost-conscious commercial market in mind. Its shading factor and fresh, modern look are ideal for a variety of applications. Can also be used for exterior applications. Average openness 5%.

SheerWeave is infused with Microban® antimicrobial product protection, helping to provide an additional level of cleanliness protection that won't wash or wear away for the lifetime of the fabric. Microban protection inhibits the growth of stain and odor-causing bacteria, mold and mildew and works continuously, keeping fabrics cleaner for longer. This product is GREENGUARD® and GREENGUARD® Gold certified.

Fabric	Bio-Based Platicizer Encapsulated Polyester Yarns
FR Standards Met	California U.S. Title 19 (small scale), NFPA 701-2004 TM#1 (small scale), NFPA 101 (Class A Rating), IBC Section 903.1 (Class A Rating), BS 5867 2008 Part 2 Type B Performance, NFPA 701 TM#2 (large scale), ASTM E 84 (Class 1), CAN/ULC-S 109-03 (large and small scale) and CAN/CGSB2-4.162-M80
Warranty	10-Year Interior; 5-Year Exterior

Item #	Style #	Color	Put Up	Weight	Width
902320	U59	Alabaster	30 yd.	19.2 oz.	126 in.
902294	U59	Alabaster	30 yd.	19.2 oz.	63 in.
902301	U59	Alabaster	30 yd.	19.2 oz.	84 in.
902365	U59	Alabaster	30 yd.	19.2 oz.	98 in.
902323	U64	Ash	30 yd.	19.2 oz.	126 in.
902297	U64	Ash	30 yd.	19.2 oz.	63 in.
902309	U64	Ash	30 yd.	19.2 oz.	84 in.
902362	U64	Ash	30 yd.	19.2 oz.	98 in.
902321	U58	Chalk	30 yd.	19.2 oz.	126 in.
902291	U58	Chalk	30 yd.	19.2 oz.	63 in.
902302	U58	Chalk	30 yd.	19.2 oz.	84 in.
902366	U58	Chalk	30 yd.	19.2 oz.	98 in.
902326	U65	Ebony	30 yd.	19.2 oz.	126 in.
902290	U65	Ebony	30 yd.	19.2 oz.	63 in.
902305	U65	Ebony	30 yd.	19.2 oz.	84 in.
902363	U65	Ebony	30 yd.	19.2 oz.	98 in.
902322	U62	Granite	30 yd.	19.2 oz.	126 in.
902296	U62	Granite	30 yd.	19.2 oz.	63 in.
902308	U62	Granite	30 yd.	19.2 oz.	84 in.
902360	U62	Granite	30 yd.	19.2 oz.	98 in.
902325	U61	Greystone	30 yd.	19.2 oz.	126 in.
902295	U61	Greystone	30 yd.	19.2 oz.	63 in.
902307	U61	Greystone	30 yd.	19.2 oz.	84 in.
902361	U61	Greystone	30 yd.	19.2 oz.	98 in.
902324	U60	Pebblestone	30 yd.	19.2 oz.	126 in.
902298	U60	Pebblestone	30 yd.	19.2 oz.	63 in.
902300	U60	Pebblestone	30 yd.	19.2 oz.	84 in.
902364	U60	Pebblestone	30 yd.	19.2 oz.	98 in.
902292	U63	Pewter	30 yd.	19.2 oz.	63 in.
902303	U63	Pewter	30 yd.	19.2 oz.	84 in.
902368	U63	Pewter	30 yd.	19.2 oz.	98 in.

Item #	Style #	Color	Put Up	Weight	Width
902327	U66	Tobacco	30 yd.	19.2 oz.	126 in.
902293	U66	Tobacco	30 yd.	19.2 oz.	63 in.
902306	U66	Tobacco	30 yd.	19.2 oz.	84 in.
902367	U66	Tobacco	30 yd.	19.2 oz.	98 in.

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SheerWeave® 4100 ECO

SheerWeave 4100 ECO is the new PVC-free version of SheerWeave 4100. It is similar in style to SheerWeave 4000 but has a slightly more open weave to provide increased outward visibility. Can also be used for exterior applications. Average openness 10%.

SheerWeave is infused with Microban® antimicrobial product protection, helping to provide an additional level of cleanliness protection that won't wash or wear away for the lifetime of the fabric. Microban protection inhibits the growth of stain and odor-causing bacteria, mold and mildew and works continuously, keeping fabrics cleaner for longer. This product is GREENGUARD® and GREENGUARD® Gold certified.

Fabric	Bio-Based Platicizer Encapsulated Polyester Yarns
FR Standards Met	California U.S. Title 19 (small scale), NFPA 701-2004 TM#1 (small scale), NFPA 101 (Class A Rating), IBC Section 903.1 (Class A Rating), BS 5867 2008 Part 2 Type B Performance, NFPA 701 TM#2 (large scale), ASTM E 84 (Class 1), CAN/ULC-S 109-03 (large and small scale) and CAN/CGSB2-4.162-M80
Warranty	10-Year Interior; 5-Year Exterior

Item #	Style #	Color	Put Up	Weight	Width
902340	U59	Alabaster	30 yd.	17.5 oz.	63 in.
902330	U59	Alabaster	30 yd.	17.5 oz.	84 in.
902312	U59	Alabaster	30 yd.	17.5 oz.	98 in.
902348	U64	Ash	30 yd.	17.5 oz.	63 in.
902338	U64	Ash	30 yd.	17.5 oz.	84 in.
902318	U64	Ash	30 yd.	17.5 oz.	98 in.
902342	U58	Chalk	30 yd.	17.5 oz.	63 in.
902332	U58	Chalk	30 yd.	17.5 oz.	84 in.
902317	U58	Chalk	30 yd.	17.5 oz.	98 in.
902344	U65	Ebony	30 yd.	17.5 oz.	63 in.
902331	U65	Ebony	30 yd.	17.5 oz.	84 in.
902311	U65	Ebony	30 yd.	17.5 oz.	98 in.
902347	U62	Granite	30 yd.	17.5 oz.	63 in.
902337	U62	Granite	30 yd.	17.5 oz.	84 in.
902315	U62	Granite	30 yd.	17.5 oz.	98 in.
902345	U61	Greystone	30 yd.	17.5 oz.	63 in.
902336	U61	Greystone	30 yd.	17.5 oz.	84 in.
902314	U61	Greystone	30 yd.	17.5 oz.	98 in.
902341	U60	Pebblestone	30 yd.	17.5 oz.	63 in.
902333	U60	Pebblestone	30 yd.	17.5 oz.	84 in.
902316	U60	Pebblestone	30 yd.	17.5 oz.	98 in.
902343	U63	Pewter	30 yd.	17.5 oz.	63 in.



Item #	Style #	Color	Put Up	Weight	Width
902334	U63	Pewter	30 yd.	17.5 oz.	84 in.
902313	U63	Pewter	30 yd.	17.5 oz.	98 in.
902346	U66	Tobacco	30 yd.	17.5 oz.	63 in.
902335	U66	Tobacco	30 yd.	17.5 oz.	84 in.

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## SheerWeave® 4400 ECO

SheerWeave 4400 ECO is the new PVC-free version of SheerWeave 4400. It's similar to SheerWeave 4000 but has a 3% openness factor to provide maximum UV blockage. It can also be used for exterior applications.

SheerWeave is infused with Microban® antimicrobial product protection, helping to provide an additional level of cleanliness protection that won't wash or wear away for the lifetime of the fabric. Microban protection inhibits the growth of stain and odor-causing bacteria, mold and mildew and works continuously, keeping fabrics cleaner for longer. This product is GREENGUARD® and GREENGUARD® Gold certified.

<b>Fabric</b>	Bio-Based Plasticizer Encapsulated Polyester Yarns
<b>FR Standards Met</b>	California U.S. Title 19 (small scale), NFPA 701-2004 TM#1 (small scale), NFPA 101 (Class A Rating), IBC Section 903.1 (Class A Rating), BS 5867 2008 Part 2 Type B Performance, NFPA 701 TM#2 (large scale), ASTM E 84 (Class 1), CAN/ULC-S 109-03 (large and small scale) and CAN/CGSB2-4.162-M80
<b>Warranty</b>	10-Year Interior; 5-Year Exterior

Item #	Style #	Color	Put Up	Weight	Width
904483	U59	Alabaster	30 yd.	20.7 oz.	126 in.
904453	U59	Alabaster	30 yd.	20.7 oz.	63 in.
904464	U59	Alabaster	30 yd.	20.7 oz.	84 in.
904476	U59	Alabaster	30 yd.	20.7 oz.	98 in.
904485	U64	Ash	30 yd.	20.7 oz.	126 in.
904458	U64	Ash	30 yd.	20.7 oz.	63 in.
904468	U64	Ash	30 yd.	20.7 oz.	84 in.
904477	U64	Ash	30 yd.	20.7 oz.	98 in.
904482	U58	Chalk	30 yd.	20.7 oz.	126 in.
904450	U58	Chalk	30 yd.	20.7 oz.	63 in.
904461	U58	Chalk	30 yd.	20.7 oz.	84 in.
904472	U58	Chalk	30 yd.	20.7 oz.	98 in.
904487	U65	Ebony	30 yd.	20.7 oz.	126 in.
904454	U65	Ebony	30 yd.	20.7 oz.	63 in.
904460	U65	Ebony	30 yd.	20.7 oz.	84 in.
904470	U65	Ebony	30 yd.	20.7 oz.	98 in.
904480	U62	Granite	30 yd.	20.7 oz.	126 in.
904457	U62	Granite	30 yd.	20.7 oz.	63 in.
904467	U62	Granite	30 yd.	20.7 oz.	84 in.
904478	U62	Granite	30 yd.	20.7 oz.	98 in.
904484	U61	Greystone	30 yd.	20.7 oz.	126 in.

Item #	Style #	Color	Put Up	Weight	Width
904456	U61	Greystone	30 yd.	20.7 oz.	63 in.
904466	U61	Greystone	30 yd.	20.7 oz.	84 in.
904473	U61	Greystone	30 yd.	20.7 oz.	98 in.
904486	U60	Pebblestone	30 yd.	20.7 oz.	126 in.
904451	U60	Pebblestone	30 yd.	20.7 oz.	63 in.
904462	U60	Pebblestone	30 yd.	20.7 oz.	84 in.
904471	U60	Pebblestone	30 yd.	20.7 oz.	98 in.
904452	U63	Pewter	30 yd.	20.7 oz.	63 in.
904463	U63	Pewter	30 yd.	20.7 oz.	84 in.
904474	U63	Pewter	30 yd.	20.7 oz.	98 in.
904481	U66	Tobacco	30 yd.	20.7 oz.	126 in.
904455	U66	Tobacco	30 yd.	20.7 oz.	63 in.
904465	U66	Tobacco	30 yd.	20.7 oz.	84 in.
904475	U66	Tobacco	30 yd.	20.7 oz.	98 in.

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## SheerWeave® 4500

Using advances in polyester yarn development, Style 4500 is thinner and lighter weight, allowing for ease of fabrication. Style 4500 is a full basket weave, making it ideal for applications that require a more opaque and non-directional fabric. Can also be used in exterior roller shades. Average openness 5%.

SheerWeave is infused with Microban® antimicrobial product protection, helping to provide an additional level of cleanliness protection that won't wash or wear away for the lifetime of the fabric. Microban protection inhibits the growth of stain and odor-causing bacteria, mold and mildew and works continuously, keeping fabrics cleaner for longer. This product is GREENGUARD® and GREENGUARD® Gold certified.

<b>Fabric</b>	Vinyl Encapsulated Polyester Yarns
<b>FR Standards Met</b>	California U.S. Title 19 (small scale), NFPA 701-2004 TM#1 (small scale), NFPA 101 (Class A Rating), IBC Section 903.1 (Class A Rating), BS 5867 2008 Part 2 Type B Performance, NFPA 701 TM#2 (large scale), ASTM E 84 (Class 1) and CAN/ULC-S 109-03 (large and small scale)
<b>Warranty</b>	10-Year Interior; 5-Year Exterior

Item #	Style #	Color	Put Up	Weight	Width
904520	V95	Cappuccino	30 yd.	14.4 oz.	63 in.
904502	V95	Cappuccino	30 yd.	14.4 oz.	98 in.
904501	P06	Chalk	30 yd.	14.4 oz.	98 in.
904522	Q59	Ecru	30 yd.	14.4 oz.	98 in.
904500	Q60	Golden Sand	30 yd.	14.4 oz.	98 in.
904521	P10	Granite	30 yd.	14.4 oz.	63 in.

SheerWeave® is a registered trademark of Phifer Inc. Microban® is a registered trademark of Microban Products Company. GREENGUARD® is a registered trademark of GREENGUARD Environmental Institute.

## SheerWeave® 4550

Using advances in polyester yarn development, Style 4550 is thinner and lighter weight, allowing for ease of fabrication. Style 4550 is a full basket weave,

FABRIC SCREEN AND MESH

making it ideal for applications that require a more opaque and non-directional fabric. Can also be used in exterior roller shades. Average openness 5%.

SheerWeave is infused with Microban® antimicrobial product protection, helping to provide an additional level of cleanliness protection that won't wash or wear away for the lifetime of the fabric. Microban protection inhibits the growth of stain and odor-causing bacteria, mold and mildew and works continuously, keeping fabrics cleaner for longer. This product is GREENGUARD® and GREENGUARD® Gold certified.

Fabric	Vinyl Encapsulated Polyester Yarns
FR Standards Met	California U.S. Title 19 (small scale), NFPA 701-2004 TM#1 (small scale), NFPA 101 (Class A Rating), IBC Section 903.1 (Class A Rating), BS 5867 2008 Part 2 Type B Performance, NFPA 701 TM#2 (large scale), ASTM E 84 (Class 1) and CAN/ULC-S 109-03 (large and small scale)
Warranty	10-Year Interior; 5-Year Exterior

Item #	Style #	Color	Put Up	Weight	Width
904540	P10	Granite	30 yd.	12.5 oz.	63 in.
904550	P10	Granite	30 yd.	12.5 oz.	98 in.
904551	P65	Linen	30 yd.	12.5 oz.	98 in.

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SheerWeave® 4600

Using advances in polyester yarn development, Style 4600 is thinner and lighter weight, allowing for ease of fabrication. Woven in a 2x2 basketweave, these fabrics are ideal for applications where a more opaque and non-directional fabric is needed. Can also be used in exterior roller shades. Average openness 3%.

SheerWeave is infused with Microban® antimicrobial product protection, helping to provide an additional level of cleanliness protection that won't wash or wear away for the lifetime of the fabric. Microban protection inhibits the growth of stain and odor-causing bacteria, mold and mildew and works continuously, keeping fabrics cleaner for longer. This product is GREENGUARD® and GREENGUARD® Gold certified.

Fabric	Vinyl Encapsulated Polyester Yarns
FR Standards Met	California U.S. Title 19 (small scale), NFPA 701-2004 TM#1 (small scale), NFPA 101 (Class A Rating), IBC Section 903.1 (Class A Rating), BS 5867 2008 Part 2 Type B Performance, NFPA 701 TM#2 (large scale), ASTM E 84 (Class 1) and CAN/ULC-S 109-03 (large and small scale)
Warranty	10-Year Interior; 5-Year Exterior

Item #	Style #	Color	Put Up	Weight	Width
904649	V95	Cappuccino	30 yd.	17.4 oz.	98 in.
904651	V95	Cappucino	30 yd.	17.4 oz.	63 in.
904600	P06	Chalk	30 yd.	17.4 oz.	98 in.
904606	V10	Ebony	30 yd.	17.4 oz.	98 in.
904650	Q59	Ecru	30 yd.	17.4 oz.	63 in.
904602	Q59	Ecru	30 yd.	17.4 oz.	98 in.
904601	Q60	Golden Sand	30 yd.	17.4 oz.	98 in.
904604	P10	Granite	30 yd.	17.4 oz.	98 in.

Item #	Style #	Color	Put Up	Weight	Width
904605	V44	Sandstone	30 yd.	17.4 oz.	98 in.

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SheerWeave® 4650

Using thin polyester yarns and a unique twill weave, Style 4650 is easy to fabricate and offers a distinct two-sided appearance that maximizes both visibility and solar heat reduction. Suitable for exterior roller shades. Average openness 3%.

SheerWeave is infused with Microban® antimicrobial product protection, helping to provide an additional level of cleanliness protection that won't wash or wear away for the lifetime of the fabric. Microban protection inhibits the growth of stain and odor-causing bacteria, mold and mildew and works continuously, keeping fabrics cleaner for longer. This product is GREENGUARD® and GREENGUARD® Gold certified.

Fabric	Vinyl Encapsulated Polyester Yarns
FR Standards Met	California U.S. Title 19 (small scale), NFPA 701-2004 TM#1 (small scale), NFPA 101 (Class A Rating), IBC Section 903.1 (Class A Rating), BS 5867 2008 Part 2 Type B Performance, NFPA 701 TM#2 (large scale), ASTM E 84 (Class 1) and CAN/ULC-S 109-03 (large and small scale)
Warranty	10-Year Interior; 5-Year Exterior

Item #	Style #	Color	Put Up	Weight	Width
904671	C47	Chestnut	30 yd.	13.3 oz.	63 in.
904670	V45	Coal	30 yd.	13.3 oz.	63 in.
904690	P10	Granite	30 yd.	13.3 oz.	98 in.
904672	P65	Linen	30 yd.	13.3 oz.	63 in.

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SheerWeave® 5000

SheerWeave Style 5000 jacquard fabrics combine rich, textured yarns with traditional patterns to create a color palette of hushed naturals and rich earth tones. Woven from vinyl coated polyester and uncoated polyester yarns, these

fabrics are as durable as they are beautiful. The collection offers a range of classic options designed to suit any style of décor. Style 5000 can also be used in exterior roller shades. This product is GREENGUARD® and GREENGUARD® Gold certified.

<b>Fabric</b>	Vinyl Coated Polyester And Uncoated Polyester Yarns
<b>FR Standards Met</b>	California US Title 19 (Small Scale), NFPA 701-2004 TM#1 (Small and Large Scale), BS 5867 2008 Part 2 Type B Performance, ASTM E 84, NFPA 101 (Class A Rating), and IBC Section 903.1 (Class A Rating)
<b>Warranty</b>	10-Year Interior; 5-Year Exterior

Item #	Style #	Color	Put Up	Weight	Width
905049			30 yd.	14.3 oz.	98 in.
905003	P60	Bamboo / Birch	30 yd.	14.5 oz.	74 in.
905025	P60	Bamboo / Birch	30 yd.	14.5 oz.	98 in.
905008	Q46	Bamboo / Wheat	30 yd.	14.3 oz.	74 in.
905020	Q46	Bamboo / Wheat	30 yd.	14.5 oz.	98 in.
905010	Q48	Bark / Cedar	30 yd.	12.3 oz.	74 in.
905028	Q48	Bark / Cedar	30 yd.	12.3 oz.	98 in.
905042	R95	Bark / Sienna	30 yd.	14.1 oz.	98 in.
905022	Q50	Bark / Tiger Oak	30 yd.	14.5 oz.	98 in.
905004	R92	Chenille Driftwood	30 yd.	14.3 oz.	74 in.
905045	Q48	Chenille Driftwood	30 yd.	12.3 oz.	98 in.
905001	R90	Chenille Pearl	30 yd.	14.5 oz.	74 in.
905043	U15	Crepe Granola	30 yd.	13.6 oz.	98 in.
905015	Q53	Honeycomb / Brown Sugar	30 yd.	13 oz.	74 in.
905039	Q53	Honeycomb / Brown	30 yd.	13 oz.	98 in.
905018	R88	Jute / Coffee	30 yd.	13.5 oz.	74 in.
905030	U11	Linen / Burlap	30 yd.	16.1 oz.	74 in.
905032	R12	Linen / Cinnamon	30 yd.	14.1 oz.	74 in.
905037	R12	Linen / Cinnamon	30 yd.	14.1 oz.	98 in.
905047	Q65	Linen / Clay	30 yd.	14.3 oz.	74 in.
905048	Q65	Linen / Clay	30 yd.	14.3 oz.	98 in.
905038	R11	Linen / Cranberry	30 yd.	14.1 oz.	98 in.
905046	U12	Linen / Cream	30 yd.	14.1 oz.	98 in.
905036	V88	Linen / Fig	30 yd.	14.1 oz.	98 in.
905041	U10	Linen / Topaz	30 yd.	14.1 oz.	98 in.
905005	Q43	Marble / Sand	30 yd.	14.5 oz.	74 in.
905027	Q43	Marble / Sand	30 yd.	14.5 oz.	98 in.
905009	Q47	Moire / Mocha	30 yd.	12.3 oz.	74 in.
905011	Q49	Rattan / Umber	30 yd.	14.3 oz.	74 in.
905021	Q49	Rattan / Umber	30 yd.	14.5 oz.	98 in.
905040	U25	Seaglass / Copper	30 yd.	14.3 oz.	98 in.
905044	U29	Seaglass Crystal	30 yd.	14.3 oz.	74 in.
905002	U24	Seaglass Silver	30 yd.	14.3 oz.	74 in.
905017	Q96	Thatch / Wheatgrass	30 yd.	13.5 oz.	74 in.
905024	Q95	Tweed / Buckeye	30 yd.	13.6 oz.	98 in.
905023	Q94	Tweed / Oatmeal	30 yd.	13.6 oz.	98 in.

Item #	Style #	Color	Put Up	Weight	Width
905013	Q51	Wicker / Mushroom	30 yd.	14.3 oz.	74 in.
905026	Q51	Wicker / Mushroom	30 yd.	14.3 oz.	98 in.

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## SheerWeave® 7000

SheerWeave 7000 is uniquely designed to provide total light blockage when complete room darkening is needed. With a broad range of decorator colors, the look and feel of rich cloth and a PVC-free composition, SheerWeave 7000 will enhance the beauty and function of both commercial and residential spaces. This product is GREENGUARD® and GREENGUARD® Gold certified.

<b>Fabric</b>	100% Polyester (PVC-free)
<b>Finish</b>	Acrylic Foam Backing
<b>FR Standards Met</b>	California U.S. Title 19 (small scale), NFPA 701-2004 TM#1 (small scale), BS 5867 2008 Part 2 Type B Performance, CAN/ULC-S 109-03 (large and small scale), ASTM E 84 (Class 1), and CAN/CGSB2-4.162-M80
<b>Warranty</b>	5 Year Interior Only

Item #	Style #	Color	Put Up	Weight	Width
907050	P63	Birch	30 yd.	13.41 oz.	118 in.
907001	P63	Birch	30 yd.	13.41 oz.	94 in.
907055	U67	Canvas	30 yd.	13.41 oz.	118 in.
907057	V41	Canyon	30 yd.	13.41 oz.	118 in.
907006	V41	Canyon	30 yd.	13.41 oz.	94 in.
907056	U69	Cocoa	30 yd.	13.41 oz.	118 in.
907010	U67	Cocoa	30 yd.	13.41 oz.	94 in.
907009	Q58	Cocoa	30 yd.	13.41 oz.	94 in.
907058	V39	Graphite	30 yd.	13.41 oz.	118 in.
907004	V39	Graphite	30 yd.	13.41 oz.	94 in.
907054	Q58	Mushroom	30 yd.	13.41 oz.	118 in.
907007	Q58	Mushroom	30 yd.	13.41 oz.	94 in.
907059	V40	Onyx	30 yd.	13.41 oz.	118 in.
907005	V40	Onyx	30 yd.	13.41 oz.	94 in.
907052	P64	Sand	30 yd.	13.41 oz.	118 in.
907002	P64	Sand	30 yd.	13.41 oz.	94 in.
907053	Q57	Wheat	30 yd.	13.41 oz.	118 in.
907003	Q57	Wheat	30 yd.	13.41 oz.	94 in.
907051	P62	White	30 yd.	13.41 oz.	118 in.
907000	P62	White	30 yd.	13.41 oz.	94 in.

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SheerWeave® 7100

When selecting light-blocking window treatments for a number of rooms within the same building, SheerWeave 7100 is an ideal choice. Similar to SheerWeave 2000, this laminated blackout fabric was designed to match other SheerWeave fabrics for a coordinated look. Made from PVC-coated fiberglass and laminated with a two-ply 100 percent PVC blackout film. SheerWeave 7100 comes in neutral color styles.

SheerWeave is infused with Microban® antimicrobial product protection, helping to provide an additional level of cleanliness protection that won't wash or wear away for the lifetime of the fabric. Microban protection inhibits the growth of stain and odor-causing bacteria, mold and mildew and works continuously, keeping fabrics cleaner for longer. This product is GREENGUARD® and GREENGUARD® Gold certified.

Fabric	PVC-Coated Fiberglass
Finish	Laminated with 100% 2-Ply PVC Blackout film
FR Standards Met	California U.S. Title 19 (small scale), NFPA 701-2004 TM#1 (small scale), NFPA 101 (Class A Rating), IBC Section 903.1 (Class A Rating), NFPA 701 TM#2 (large scale), ASTM E 84 (Class 1), and BS 5867 2008 Part 2 Type B Performance
Warranty	10 Year Interior Only

Item #	Style #	Color	Put Up	Weight	Width
907096	Q06	Bone / Platinum	30 yd.	19.8 oz.	63 in.
907113	Q06	Bone / Platinum	30 yd.	19.8 oz.	96 in.
907095	Q05	Bone	30 yd.	19.8 oz.	63 in.
907114	Q05	Bone	30 yd.	19.8 oz.	96 in.
907097	V21	Charcoal	30 yd.	19.8 oz.	63 in.
907110	V21	Charcoal	30 yd.	19.8 oz.	96 in.
907098	P04	White / Bone	30 yd.	19.8 oz.	63 in.
907111	P04	White / Bone	30 yd.	19.8 oz.	96 in.
907099	P05	White / Platinum	30 yd.	19.8 oz.	63 in.
907094	P02	White	30 yd.	19.8 oz.	63 in.
907106	P02	White	30 yd.	19.8 oz.	96 in.

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SheerWeave® 7500

This attractive blackout fabric is an economical option featuring a classic range of neutral colors. Suitable for roller shades, vertical blinds and panel track systems, SheerWeave 7500 is a unique PVC-free coated polyester fabric.

SheerWeave is infused with Microban® antimicrobial product protection, helping to provide an additional level of cleanliness protection that won't wash or wear away for the lifetime of the fabric. Microban protection inhibits the growth of stain and odor-causing bacteria, mold and mildew and works continuously, keeping fabrics cleaner for longer. This product is GREENGUARD® and GREENGUARD® Gold certified.

Fabric	100% Polyester
Finish	PVC-free Acrylic Coating
FR Standards Met	California U.S. Title 19 (small scale), NFPA 701-2004 TM#1 (small scale), ASTM E 84 (Class 1), and CAN/ULC-S 109-03 (large and small scale)
Warranty	5 Year Interior Only

Item #	Style #	Color	Put Up	Weight	Width
907541	R14	Coconut	30 yd.	12.14 oz.	118 in.
907501	R14	Coconut	30 yd.	12.14 oz.	78 in.
907521	R14	Coconut	30 yd.	12.14 oz.	98 in.
907544	R17	Dune	30 yd.	12.14 oz.	118 in.
907504	R17	Dune	30 yd.	12.14 oz.	78 in.
907540	R13	Ice	30 yd.	12.14 oz.	118 in.
907500	R13	Ice	30 yd.	12.14 oz.	78 in.
907520	R13	Ice	30 yd.	12.14 oz.	98 in.
907529	R22	Midnight	30 yd.	12.14 oz.	98 in.
907548	R21	Orient	30 yd.	12.14 oz.	118 in.
907508	R21	Orient	30 yd.	12.14 oz.	78 in.
907543	R16	Spirit	30 yd.	12.14 oz.	118 in.
907503	R16	Spirit	30 yd.	12.14 oz.	78 in.
907523	R16	Spirit	30 yd.	12.14 oz.	98 in.
907505	R18	Starfish	30 yd.	12.14 oz.	78 in.
907525	R18	Starfish	30 yd.	12.14 oz.	98 in.

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SheerWeave® BASIC 3%

SheerWeave BASIC 3% is the latest in innovative sun control fabric development. With all the benefits, certifications and technical specifications you have come to expect from SheerWeave but uniquely designed for the demanding and competitive commercial market, SheerWeave BASIC is an ideal choice for your spec-driven projects. A more robust core yarn gives SheerWeave BASIC the added durability high traffic areas and public spaces require. Suitable for all types of interior window shade applications, SheerWeave BASIC is an economical alternative to traditional solar screen fabrics.

SheerWeave is infused with Microban® antimicrobial product protection, helping to provide an additional level of cleanliness protection that won't wash or wear away for the lifetime of the fabric. Microban protection inhibits the growth of stain and odor-causing bacteria, mold and mildew and works continuously, keeping fabrics cleaner for longer. This product is GREENGUARD® and GREENGUARD® Gold certified.

Fabric	Fiberglass
FR Standards Met	California U.S. Title 19 (small scale), NFPA 701-2004 TM#1 (small scale), NFPA 101 (Class A Rating), IBC Section 903.1 (Class A Rating), BS 5867 2008 Part 2 Type B Performance, CAN/ULC-S 109-03 (large and small scale), ASTM E 84 (Class 1), NFPA 701 TM#2 (large scale) and CAN/CSB2-4.162-M80
Warranty	10-Year Interior; 5-Year Exterior

Item #	Style #	Color	Put Up	Weight	Width
906004	V22	Charcoal / Grey	30 yd.	16.4 oz.	98 in.
906003	V21	Charcoal	30 yd.	16.4 oz.	98 in.
906002	P04	White / Bone	30 yd.	16.4 oz.	98 in.
906000	P02	White	30 yd.	16.4 oz.	98 in.

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## SheerWeave® BASIC 5%

SheerWeave BASIC is the latest in innovative sun control fabric development. With all the benefits, certifications and technical specifications you have come to expect from SheerWeave but uniquely designed for the demanding and competitive commercial market, SheerWeave BASIC is an ideal choice for your spec-driven projects. A more robust core yarn gives SheerWeave BASIC the added durability high traffic areas and public spaces require. Suitable for all types of interior window shade applications, SheerWeave BASIC is an economical alternative to traditional solar screen fabrics.

SheerWeave is infused with Microban® antimicrobial product protection, helping to provide an additional level of cleanliness protection that won't wash or wear away for the lifetime of the fabric. Microban protection inhibits the growth of stain and odor-causing bacteria, mold and mildew and works continuously, keeping fabrics cleaner for longer. This product is GREENGUARD® and GREENGUARD® Gold certified.

Fabric	Fiberglass
<b>FR Standards Met</b>	California U.S. Title 19 (small scale), NFPA 701-2004 TM#1 (small scale), NFPA 101 (Class A Rating), IBC Section 903.1 (Class A Rating), BS 5867 2008 Part 2 Type B Performance, CAN/ULC-S 109-03 (large and small scale), ASTM E 84 (Class 1), NFPA 701 TM#2 (large scale) and CAN/CGSB2-4.162-M80
<b>Warranty</b>	10-Year Interior; 5-Year Exterior

Item #	Style #	Color	Put Up	Weight	Width
906104	V22	Charcoal / Grey	30 yd.	14.1 oz.	98 in.
906103	V21	Charcoal	30 yd.	14.1 oz.	98 in.
906101	P04	White / Bone	30 yd.	14.1 oz.	98 in.
906102	P05	White / Platinum	30 yd.	14.1 oz.	98 in.
906100	P02	White	30 yd.	14.1 oz.	98 in.

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## SheerWeave® Infinity 2

SheerWeave Infinity 2 is an eco-friendly full basket weave. Emulating the look and engineering of standard SheerWeave fabrics, Infinity core yarn and coating is PVC-free, lead-free and 100% recyclable.

SheerWeave is infused with Microban® antimicrobial product protection, helping to provide an additional level of cleanliness protection that won't wash or wear away for the lifetime of the fabric. Microban protection inhibits the growth of stain and odor-causing bacteria, mold and mildew and works continuously, keeping fabrics cleaner for longer. This product is GREENGUARD® and GREENGUARD® Gold certified.

Fabric	100% Recycled Content
<b>FR Standards Met</b>	ASTM E-84 (Class I), NFPA 701-2004 TM#1 (small scale), NFPA 101 (Class A Rating), CAN/ULC-S 109-03 Large and CAN/CGSB2-4.162-M80
<b>Warranty</b>	5-Year Interior Only

Item #	Style #	Color	Put Up	Weight	Width
902349	PG2	Almond	30 yd.	14.63 oz.	63 in.
902351	QG1	Barley	30 yd.	14.63 oz.	98 in.
902350	PG1	Cotton	30 yd.	14.63 oz.	98 in.

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## Super Solar Screening

Super Solar Screening offers the ultimate in shading protection by blocking up to 90% of the sun's heat and glare before it penetrates windows and doors. This fabric is installed like regular insect screening and improves daytime privacy while offering excellent outward visibility. Ideal for extremely hot windows, doors and porches, Super Solar Screening helps save energy and keeps carpets and draperies from fading.

Super Solar Screening is infused with Microban® antimicrobial product protection, helping to provide an additional level of cleanliness protection that won't wash or wear away for the lifetime of the screen. Microban protection inhibits the growth of stain and odor-causing bacteria, mold and mildew and works continuously, keeping screens cleaner for longer. The product is GREENGUARD® certified.

Fabric	Vinyl Encapsulated Fiberglass Yarns			
Item #	Color	Put Up	Weight	Width
902780	Charcoal	100 ft.	10.4 oz.	84 in.

Microban® is a registered trademark of Microban Products Company. GREENGUARD® is a registered trademark of GREENGUARD Environmental Institute.

## SunTex® 80

SunTex 80 is a distinct mesh fabric that absorbs up to 80% of the sun's hot rays. With a 20% open weave, it serves as a well-ventilated privacy screen with great outward viewing while still blocking insects and UV light. When used as an outdoor window shade, it keeps interiors cooler and reduces fading in furniture. Because of this, it is a great energy saver. The durable fabric defends against tearing and pet damage.

Infused with Microban® antimicrobial protection, the material stays cleaner for longer. The integrated solution inhibits the growth of stain and odor-causing bacteria, mold, and mildew.

This item is GREENGUARD® and GREENGUARD® Gold certified. Made in the USA.

Suggested uses: screening for windows, doors, porches, and patios.

Fabric	Vinyl Encapsulated Polyester Yarns
<b>FR Standards Met</b>	California Technical Bulletin 117 Section E (CS-191-53) and IBC Section 903.1 (Class A Rating)
<b>Warranty</b>	10-Year Exterior

Item #	Color	Put Up	Weight	Width
903154	Beiges	33.3 yd.	13.5 oz.	96 in.
902091	Black	100 ft.	13.5 oz.	48 in.
902003	Black	100 ft.	13.5 oz.	60 in.
902006	Black	100 ft.	13.5 oz.	72 in.
903151	Black	33.3 yd.	13.5 oz.	96 in.
902016	Brown	100 ft.	13.5 oz.	72 in.
903150	Brown	33.3 yd.	13.5 oz.	96 in.
903155	Dark Bronze	33.3 yd.	13.5 oz.	96 in.
903152	Grey	33.3 yd.	13.5 oz.	96 in.
903153	Stucco	33.3 yd.	13.5 oz.	96 in.

SunTex® is a registered trademark of Phifer Incorporated. GREENGUARD® is a registered trademark of GREENGUARD Environmental Institute. Microban® is a registered trademark of Microban Products Company.



## SunTex® 90

SunTex 90 is a popular mesh fabric that absorbs up to 90% of the sun’s rays. With a 10% open weave, it acts as a breathable privacy screen with good outward visibility while still blocking UV light and insects. When used as an outdoor window shade, it keeps rooms cooler and prevents furniture from fading. This makes it a great energy saver. The fabric resists tearing and pet damage.

Furnished with Microban® antimicrobial protection, the material keeps clean for longer. It restricts the growth of bacteria, mold, and mildew.

This item is GREENGUARD® and GREENGUARD® Gold certified. Made in the USA.

Suggested uses: screening for windows, doors, porches, and patios.

Fabric	Vinyl Encapsulated Polyester Yarns
FR Standards Met	California Technical Bulletin 117 Section E (CS-191-53) and IBC Section 903.1 (Class A Rating)
Warranty	10-Year Exterior

Item #	Color	Put Up	Weight	Width
903120	Beige	30 yd.	17.2 oz.	120 in.
903110	Beige	33.3 yd.	17.2 oz.	96 in.
903122	Black	30 yd.	17.2 oz.	120 in.
902031	Black	100 ft.	17.2 oz.	60 in.
903000	Black	100 ft.	17.2 oz.	72 in.
903114	Black	33.3 yd.	17.2 oz.	96 in.
903121	Brown	30 yd.	17.2 oz.	120 in.
903113	Brown	33.3 yd.	17.2 oz.	96 in.
903124	Dark Bronze	30 yd.	17.2 oz.	120 in.
903115	Dark Bronze	33.3 yd.	17.2 oz.	96 in.
903111	Grey	33.3 yd.	17.2 oz.	96 in.
903123	Stucco	30 yd.	17.2 oz.	120 in.
902033	Stucco	100 ft.	17.2 oz.	48 in.
902065	Stucco	100 ft.	17.2 oz.	72 in.
903112	Stucco	33.3 yd.	17.2 oz.	96 in.

SunTex® is a registered trademark of Phifer Incorporated. GREENGUARD® is a registered trademark of GREENGUARD Environmental Institute. Microban® is a registered trademark of Microban Products Company.

## SunTex® 95

SunTex is a unique woven mesh that can block up to 95% of the sun’s hot rays before they enter your windows. Mildew and fade resistant, SunTex is ideal for use as a shading fabric on windows, doors and porches and offers good ventilation. This heavy-duty fabric is made of strong vinyl-coated polyester and is resistant to pet damage. Average openness 5%.

SunTex is infused with Microban® antimicrobial product protection, helping to provide an additional level of cleanliness protection that won’t wash or wear away for the lifetime of the screen. Microban protection inhibits the growth of stain and odor-causing bacteria, mold and mildew and works continuously, keeping screens cleaner for longer. This product is GREENGUARD® and GREENGUARD® Gold certified.

Fabric	Vinyl Encapsulated Polyester Yarns
FR Standards Met	California Technical Bulletin 117 Section E (CS-191-53) and IBC Section 903.1 (Class A Rating)
Warranty	10-Year Exterior

Item #	Color	Put Up	Weight	Width
903141	Alpaca	30 yd.	15.4 oz.	126 in.
903145	Black	30 yd.	15.4 oz.	126 in.
903148	Carbon	30 yd.	15.4 oz.	126 in.
903146	Chestnut	30 yd.	15.4 oz.	126 in.
903144	Dark Bronze	30 yd.	15.4 oz.	126 in.
903140	Mocha	30 yd.	15.4 oz.	126 in.
903147	Sand	30 yd.	15.4 oz.	126 in.
903149	Stucco	30 yd.	15.4 oz.	126 in.
903143	White / Grey	30 yd.	15.4 oz.	126 in.
903142	White	30 yd.	15.4 oz.	126 in.

SunTex® is a registered trademark of Phifer Incorporated. GREENGUARD® is a registered trademark of GREENGUARD Environmental Institute. Microban® is a registered trademark of Microban Products Company.

## Textilene® 90

This sturdy, synthetic fabric is made of PVC-coated polyester. Designed to reduce heat transfer through windows, the fabric also reduces glare and harmful rays from the sun. Flame resistant and fade resistant, it is a durable alternative to insect screen. Textilene 90 blocks up to 90% of the sun’s rays. The fabric is printable and capable of digital imaging.

Textilene is GREENGUARD® Gold and REACH certified, RoHS compliant, Phthalate and Lead (Pb) free, and complies with California Proposition 65 (apart from having to list FR chemicals where applicable).

Suggested uses: screen panels for windows, doors, porches, and patios.

Fabric	PVC Coated Polyester
FR Standards Met	California State Fire Marshal Title 19, NFPA 701
Warranty	10-Year

Item #	Style #	Color	Put Up	Width
903269	T18DCS082	Black	33.3 yd.	120 in.
903271	T18DCS079	Black	33.3 yd.	96 in.
903268	T18DCS083	Brown	33.3 yd.	120 in.
903272	T18DCS080	Brown	33.3 yd.	96 in.



Item #	Style #	Color	Put Up	Width
903266	T18BCT015	Desert Sand	33.3 yd.	120 in.
903259	T18BCT014	Desert Sand	33.3 yd.	96 in.
903270	T18DCS015	Grey	33.3 yd.	96 in.
903267	T18DCS084	Sandstone	33.3 yd.	120 in.
903257	T18DCS081	Sandstone	33.3 yd.	96 in.
903273	T18DCS086	White	33.3 yd.	120 in.
903258	T18DCS085	White	33.3 yd.	96 in.

Textilene® is a registered trademark of Twitchell Corporation. GREENGUARD® is a registered trademark of GREENGUARD Environmental Institute.

## Textilene® 95

Textilene 95 is a strong, synthetic fabric that blocks up to 95% of the sun's rays. Developed to minimize heat transfer through windows, the fabric also reduces glare and harmful UV rays. Flame resistant and fade resistant, it is a great substitute for insect screen. This fabric is printable and capable of digital imaging.

Textilene is GREENGUARD® Gold and REACH certified, RoHS compliant, Phthalate and Lead (Pb) free, and complies with California Proposition 65 (apart from having to list FR chemicals where applicable).

Suggested uses: screen panels for windows, doors, porches, and patios.

<b>Fabric</b>	PVC Coated Polyester
<b>FR Standards Met</b>	California State Fire Marshal Title 19, NFPA 701
<b>Warranty</b>	10-Year

Item #	Style #	Color	Put Up	Weight	Width
903298	T18A2T005	Almond Brown	28 yd.	17.3 oz.	120 in.
903291	T18A2S001	Galaxy Black	28 yd.	17.3 oz.	120 in.
903294	T18A2S003	Graphite	28 yd.	17.3 oz.	120 in.
903295	T18A2T001	Mushroom	28 yd.	17.3 oz.	120 in.
903293	T18A2T004	Pewter	28 yd.	17.3 oz.	120 in.
903299	T18A2S004	Pure White	28 yd.	17.3 oz.	120 in.
903296	T18A2T002	Putty	28 yd.	17.3 oz.	120 in.
903292	T18A2S002	Quartz	28 yd.	17.3 oz.	120 in.
903290	T18A2T003	Tobacco Leaf	28 yd.	17.3 oz.	120 in.

Textilene® is a registered trademark of Twitchell Corporation. GREENGUARD® is a registered trademark of GREENGUARD Environmental Institute.

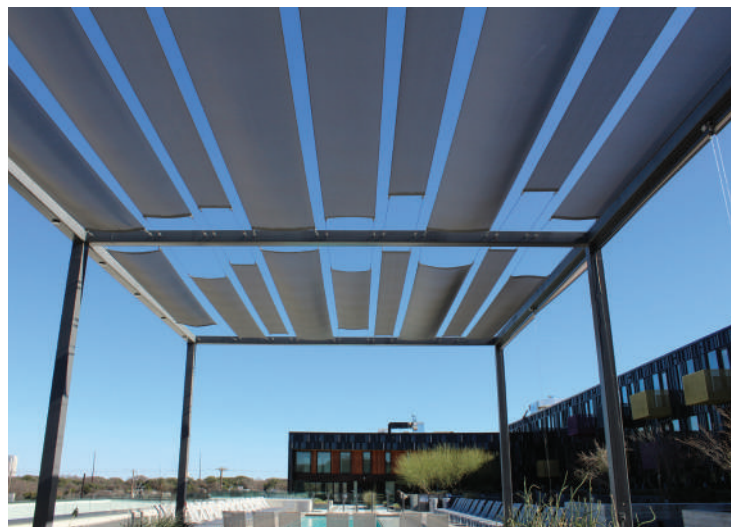


IMAGE COURTESY OF THE CHISM COMPANY

## Serge Ferrari Soltis® Horizon 86 (Soltis® 86)

Soltis Horizon 86 is an ideal vinyl mesh that blocks up to 88% of solar radiation. The solar shade fabric reduces heat, light, and harmful UV rays. It also allows privacy without obstructing the outward view.

Serge Ferrari's patented Précontraint® process gives Soltis Horizon 86 excellent dimensional stability for large expanses. The fabric delivers exceptional durability under intense wind and weather conditions. GREENGUARD® certified.

Note: 105-inch width rolls of Soltis Horizon 86 cannot ship UPS.

Suggested uses: exterior window shade, commercial building facades, greenhouses, rooftops, retractable awnings.

<b>Fabric</b>	High-Tenacity Polyester
<b>Finish</b>	Vinyl
<b>FR Standards Met</b>	California State Fire Marshal Title 19; NFPA 701; ASTM E-84
<b>Warranty</b>	5-Year

Item #	Style #	Color	Put Up	Weight	Width
879638	86-2048-105	Aluminum / Aluminum	43 yd.	11 oz.	105 in.
879268	86-2068	Aluminum / Anthracite (Aluminum / Charcoal)	54 yd.	11 oz.	69 in.
879586	86-2046-105	Aluminum / Oat (Aluminum / Ivory)	43 yd.	11 oz.	105 in.
879246	86-2046	Aluminum / Oat (Aluminum / Ivory)	54 yd.	11 oz.	69 in.
879591	86-2051-105	Aluminum / White	43 yd.	11 oz.	105 in.
879251	86-2051	Aluminum / White	54 yd.	11 oz.	69 in.
879248	86-2048	Aluminum	54 yd.	11 oz.	69 in.
879614	86-2047-105	Anthracite (Charcoal)	43 yd.	11 oz.	105 in.
879247	86-2047	Anthracite (Charcoal)	54 yd.	11 oz.	69 in.

Item #	Style #	Color	Put Up	Weight	Width
879233	86-50333	Bamboo	54 yd.	11 oz.	69 in.
879588	86-2045-105	Beaten Metal (Dark Aluminum)	43 yd.	11 oz.	105 in.
879245	86-2045	Beaten Metal (Dark Aluminum)	54 yd.	11 oz.	69 in.
879620	86-2053-105	Black	43 yd.	11 oz.	105 in.
879253	86-2053	Black	54 yd.	11 oz.	69 in.
879671	86-2171-105	Boulder	43 yd.	11 oz.	105 in.
879271	86-2171	Boulder	54 yd.	11 oz.	69 in.
879610	86-2043-105	Bronze (Olive Brown)	43 yd.	11 oz.	105 in.
879243	86-2043	Bronze (Olive Brown)	54 yd.	11 oz.	69 in.
879266	86-2166	Buttercup	54 yd.	11 oz.	69 in.
879262	86-50261	Caramel	54 yd.	11 oz.	69 in.
879585	86-2175-105	Champagne	43 yd.	11 oz.	105 in.
879275	86-2175	Champagne	54 yd.	11 oz.	69 in.
879288	86-2148	Cocoa	54 yd.	11 oz.	69 in.
879637	86-2167-105	Concrete	43 yd.	11 oz.	105 in.
879267	86-2167	Concrete	54 yd.	11 oz.	69 in.
879261	86-2161	Midnight Blue	54 yd.	11 oz.	69 in.
879158	86-2158	Moss Green	54 yd.	11 oz.	69 in.
879260	86-50260	Muscat	54 yd.	11 oz.	69 in.
879204	86-8204	Orange	54 yd.	11 oz.	69 in.
879590	86-2012-105	Pepper (Putty)	43 yd.	11 oz.	105 in.
879212	86-2012	Pepper (Putty)	54 yd.	11 oz.	69 in.
879255	86-8255	Red	54 yd.	11 oz.	69 in.
879635	86-2135-105	Sandy Beige	43 yd.	11 oz.	105 in.
879285	86-2135	Sandy Beige	54 yd.	11 oz.	69 in.
879582		Snow White			
879584	86-2044-105	White	43 yd.	11 oz.	105 in.
879244	86-2044	White	54 yd.	11 oz.	69 in.

Soltis® and Précontraint® are registered trademarks of The Serge Ferrari Group.



IMAGE COURTESY OF THIERRY.MOURET.PHOTO@FREE.FR

## Serge Ferrari Soltis® Perform 92 (Soltis® 92)

Soltis Perform 92 vinyl mesh fabric absorbs and ejects up to 97% of heat in external window applications. This privacy fabric offers the best thermal performance while maintaining outward visibility.

Serge Ferrari’s exclusive Précontraint® process gives Soltis Perform 92 excellent dimensional stability for large surface areas. The solar fabric delivers superior durability under intense wind and weather conditions.

Note: 105-inch width rolls of Soltis Perform 92 cannot ship UPS.

Suggested uses: exterior window shade, commercial building facades, greenhouses, rooftops, retractable awnings.

<b>Fabric</b>	High-Tenacity Polyester
<b>Finish</b>	Vinyl
<b>FR Standards Met</b>	California State Fire Marshal Title 19; NFPA 701; ASTM E-84
<b>Warranty</b>	5-Year

Item #	Style #	Color	Put Up	Weight	Width
879398	92-2048	Aluminum / Aluminum	43 yd.	12 oz.	105 in.
879368	92-2068	Aluminum / Anthracite (Aluminum / Charcoal)	54 yd.	12 oz.	69 in.
879374	92-2074	Aluminum / Medium Grey (Metal / Gray)	54 yd.	12 oz.	69 in.
879410	92-2074	Aluminum / Medium Grey	43 yd.	12 oz.	105 in.
879346	92-2046	Aluminum / Oat (Aluminum / Ivory)	54 yd.	12 oz.	69 in.
879396	92-2046	Aluminum / Oat (Aluminun / Ivory)	43 yd.	12 oz.	105 in.
879399	92-2051	Aluminum / White	43 yd.	12 oz.	105 in.
879351	92-2051	Aluminum / White	54 yd.	12 oz.	69 in.
879348	92-2048	Aluminum	54 yd.	12 oz.	69 in.
878157	92-2157	Aniseed	54 yd.	12 oz.	69 in.

Item #	Style #	Color	Put Up	Weight	Width
879397	92-2047	Anthracite (Charcoal)	43 yd.	12 oz.	105 in.
879347	92-2047	Anthracite (Charcoal)	54 yd.	12 oz.	69 in.
878333	92-50333	Bamboo	54 yd.	12 oz.	69 in.
879395	92-2045	Beaten Metal (Dark Aluminum)	43 yd.	12 oz.	105 in.
879345	92-2045	Beaten Metal (Dark Aluminum)	54 yd.	12 oz.	69 in.
878149	92-2149	Beetle	54 yd.	12 oz.	69 in.
879400	92-2053	Black	43 yd.	12 oz.	105 in.
879353	92-2053	Black	54 yd.	12 oz.	69 in.
879471	92-2171	Boulder	43 yd.	12 oz.	105 in.
878171	92-2171	Boulder	54 yd.	12 oz.	69 in.
879393	92-2043	Bronze (Olive Brown)	43 yd.	12 oz.	105 in.
879343	92-2043	Bronze (Olive Brown)	54 yd.	12 oz.	69 in.
878166	92-2166	Buttercup	54 yd.	12 oz.	69 in.
878261	92-50261	Caramel	54 yd.	12 oz.	69 in.
878172	92-2172	Carrot	54 yd.	12 oz.	69 in.
879412	92-2175	Champagne	43 yd.	12 oz.	105 in.
878176	92-2175	Champagne	54 yd.	12 oz.	69 in.
879313	92-2013	Chick (Medium Yellow)	54 yd.	12 oz.	69 in.
879409	92-50272	Cloud	43 yd.	12 oz.	105 in.
878272	92-50272	Cloud	54 yd.	12 oz.	69 in.
878148	92-2148	Cocoa	54 yd.	12 oz.	69 in.
879467	92-2167	Concrete	43 yd.	12 oz.	105 in.
878167	92-2167	Concrete	54 yd.	12 oz.	69 in.
878274	92-50274	Copper	54 yd.	12 oz.	69 in.
878267	92-50267	Cotto	54 yd.	12 oz.	69 in.
878264	92-50264	Dark Teal	54 yd.	12 oz.	69 in.
878273	92-50273	Gold	54 yd.	12 oz.	69 in.
879339	92-2039	Green Tree (Forest Green)	54 yd.	12 oz.	69 in.
878268	92-50268	Grenadine	54 yd.	12 oz.	69 in.
878266	92-50266	Havana Brown	54 yd.	12 oz.	69 in.
878269	92-50269	Hawaii	54 yd.	12 oz.	69 in.
879465	92-50265	Hemp	43 yd.	12 oz.	105 in.
878265	92-50265	Hemp	54 yd.	12 oz.	69 in.
878271	92-50271	Intense Turquoise	54 yd.	12 oz.	69 in.
879365	92-2065	Interferential Grey	54 yd.	12 oz.	69 in.
878160	92-2160	Lagoon	54 yd.	12 oz.	69 in.
878161	92-2161	Midnight Blue	54 yd.	12 oz.	69 in.
878158	92-2158	Moss Green	54 yd.	12 oz.	69 in.
878260	92-50260	Muscat	54 yd.	12 oz.	69 in.
878342	92-50342	Navy	54 yd.	12 oz.	69 in.
878204	92-8204	Orange	54 yd.	12 oz.	69 in.
879312	92-2012	Pepper (Putty)	54 yd.	12 oz.	69 in.
879411	92-2012	Pepper	43 yd.	12 oz.	105 in.
878336	92-50336	Plum	54 yd.	12 oz.	69 in.
878255	92-8255	Red	54 yd.	12 oz.	69 in.
879435	92-2135	Sandy Beige	43 yd.	12 oz.	105 in.

Item #	Style #	Color	Put Up	Weight	Width
878135	92-2135	Sandy Beige	54 yd.	12 oz.	69 in.
878270	92-50270	Thistle	54 yd.	12 oz.	69 in.
878163	92-2163	Turtle Dove	54 yd.	12 oz.	69 in.
878152	92-2152	Velvet Red	54 yd.	12 oz.	69 in.
878164	92-2164	Violet Parma	54 yd.	12 oz.	69 in.
878137	92-2137	Walnut Stain	54 yd.	12 oz.	69 in.
879394	92-2044	White	43 yd.	12 oz.	105 in.
879344	92-2044	White	54 yd.	12 oz.	69 in.

Soltis® and Précontraint® are registered trademarks of The Serge Ferrari Group.

## Serge Ferrari Soltis® Opaque B92 (Soltis® 92 Blackout)

Soltis Opaque B92 provides a blackout layer that blocks 100% of visible light, UV rays, and heat. It does not require any kind of reinforcement. The thin, flat properties of the fabric suit small-sized windows. GREENGUARD® certified.

Suggested uses: interior or exterior blackout blinds.

<b>Fabric</b>	Woven Polyester Base Cloth, Weldable PVC Coating
<b>Finish</b>	Acrylic Lacquer Both Sides
<b>FR Standards Met</b>	NFPA-701
<b>Warranty</b>	5-Year

Item #	Style #	Color	Put Up	Weight	Width
879846	B92-N-1046	Aluminum / Aluminum	43 yd.	19.17 oz.	67 in.
879845	B92-N-1045	Beaten Metal / Aluminum	43 yd.	19.17 oz.	67 in.
879848	B92-N-2171	Boulder / Aluminum	43 yd.	19.17 oz.	67 in.
879843	B92-N-1043	Bronze (Brown) / Aluminum	43 yd.	19.17 oz.	67 in.
879847	B92-N-2135	Sand Beige / Aluminum	43 yd.	19.17 oz.	67 in.
879844	B92-N-1044	White / Aluminum	43 yd.	19.17 oz.	67 in.

Soltis® is a registered trademark of The Serge Ferrari Group. GREENGUARD® is a registered trademark of GREENGUARD Environmental Institute.

## Serge Ferrari Soltis® Opaque B702 (Soltis® B702 Blackout)

Soltis Opaque B702 is a blackout fabric that prevents the transmission of all visible light, infrared, and UV radiation. The black side darkens interiors while the white side reflects heat outward. The solar fabric is an effective alternative to roller shutters. In a wider width than Soltis Opaque B92, it can cover more surface area. GREENGUARD® certified.

Suggested uses: interior or exterior blackout blinds.



FABRIC **SHADE SAIL**

<b>Fabric</b>	Woven Polyester Base Cloth, Weldable PVC Coating
<b>Finish</b>	Acrylic Lacquer Both Sides
<b>FR Standards Met</b>	California State Fire Marshal Title 19; NFPA 701; ASTM E-84
<b>Warranty</b>	5-Year

Item #	Style #	Color	Put Up	Weight	Width
879840	B702-455-71	Black / White	43 yd.	22.10 oz.	71 in.

Soltis® is a registered trademark of The Serge Ferrari Group.



SolaMesh®

SolaMesh, an industry leading performance fabric for shade sails, shade and fabric structures, awnings and other applications, is an exclusive new offering from Trivantage®. Made from highly stable and color fast HDPE monofilament and tape, this versatile, worry-free product is supported with a 10-year warranty.

<b>Fabric</b>	High Density Polyethylene (HDPE)
<b>FR Standards Met</b>	ASTM E84 Class A
<b>Warranty</b>	10-Year

Item #	Color	Put Up	Weight	Width
865082	Brick	54.67 yds.	9.5 oz.	118 in.
865087	Bright Orange	54.67 yds.	9.5 oz.	118 in.
865077	Cactus	54.67 yds.	9.5 oz.	118 in.
865081	Canary Yellow	54.67 yds.	9.5 oz.	118 in.
865083	Chestnut	54.67 yds.	9.5 oz.	118 in.
865075	Cream	54.67 yds.	9.5 oz.	118 in.
865073	Crimson	54.67 yds.	9.5 oz.	118 in.
865086	Denim	54.67 yds.	9.5 oz.	118 in.
865072	Forest Green	54.67 yds.	9.5 oz.	118 in.
865089	Grape	54.67 yds.	9.5 oz.	118 in.
865084	Graphite	54.67 yds.	9.5 oz.	118 in.

Item #	Color	Put Up	Weight	Width
865071	Jet Black	54.67 yds.	9.5 oz.	118 in.
865080	Lagoon	54.67 yds.	9.5 oz.	118 in.
865088	Lime Green	54.67 yds.	9.5 oz.	118 in.
865085	Ocean Blue	54.67 yds.	9.5 oz.	118 in.
865070	Royal Blue	54.67 yds.	9.5 oz.	118 in.
865074	Sand	54.67 yds.	9.5 oz.	118 in.
865079	Smoke Grey	54.67 yds.	9.5 oz.	118 in.
865078	Venetian Blue	54.67 yds.	9.5 oz.	118 in.

SolaMesh® and Trivantage® are registered trademarks of Glen Raven, Inc.



Sunbrella® Contour

Sunbrella Contour is a rich, textured shade fabric delivering the ultimate in UV protection, color uniformity and long-lasting performance. It features a unique, patent-pending construction that emphasizes its rich colors. Offering optimal light transmission, Sunbrella Contour filters light while still allowing water to pass through.

Sunbrella Contour is more supple and less abrasive than other shade fabrics, offering easier fabrication and installation. Creases and wrinkles that may appear during fabrication will quickly smooth out after the installation.

- Ideal for many applications where the aesthetic of a textured fabric is desired:
- Shade sails
  - Fixed frame shade structures and engineered shade structures
  - Windscreens
  - Umbrella canopies and cabanas
  - Canopies for casual furniture such as chaises, daybeds and loungers
  - Marine applications such as cockpit awnings, biminis and fender covers

Sunbrella Contour is GREENGUARD® certified.

<b>Fabric</b>	Sunbrella Acrylic / HDPE
<b>Warranty</b>	10-Year

color consistency and colorfastness. This fabric is lead and phthalate free.

Architec 400 cannot ship UPS due to its 150-inch roll width.

<b>Fabric</b>	High Density Polyethylene (HDPE)
<b>FR Standards Met</b>	ASTM E-84 Class 1 or A rating
<b>Warranty</b>	15-Year Against UV Degradation

Item #	Color	Put Up	Weight	Width
865140	Aquamarine	164 ft.	12 oz.	150 in.
865142	Black	164 ft.	12 oz.	150 in.
865143	Cappuccino	164 ft.	12 oz.	150 in.
865152	Golden Yellow	164 ft.	12 oz.	150 in.
865144	Grape	164 ft.	12 oz.	150 in.
865146	Lime	164 ft.	12 oz.	150 in.
865147	Midnight Green	164 ft.	12 oz.	150 in.
865148	Navy Blue	164 ft.	12 oz.	150 in.
865149	Orange	164 ft.	12 oz.	150 in.
865150	Porcelain	164 ft.	12 oz.	150 in.
865151	Slate Gray	164 ft.	12 oz.	150 in.
865153	Turquoise	164 ft.	12 oz.	150 in.

Architec 400® is a registered trademark of Polyfab USA.



## Comtex®

A superior fire rated knitted HDPE shade fabric designed for large tension membrane structures and architectural shade sails. Recommended for larger commercial installations with unsupported spans of up to 100 feet. This fabric is lead and phthalate free.

<b>Fabric</b>	High Density Polyethylene (HDPE)
<b>FR Standards Met</b>	NFPA 701; ASTM E84 Class A
<b>Warranty</b>	10-Year Against UV Degradation

Item #	Style #	Color	Put Up	Weight	Width
884649	2649-0000	Apex Aztec	28 yd. (center folded)	11.5 oz.	120 in.
884647	2647-0000	Apex Beige	28 yd. (center folded)	11.5 oz.	120 in.
884644	2644-0000	Apex Cadet	28 yd. (center folded)	11.5 oz.	120 in.
884643	2643-0000	Apex Charcoal	28 yd. (center folded)	11.5 oz.	120 in.
884650	2650-0000	Apex Concord	28 yd. (center folded)	11.5 oz.	120 in.
884646	2646-0000	Apex Crimson	28 yd. (center folded)	11.5 oz.	120 in.
884640	2640-0000	Apex Forest	28 yd. (center folded)	11.5 oz.	120 in.
884654	2654-0000	Apex Indigo	28 yd. (center folded)	11.5 oz.	120 in.
884642	2642-0000	Apex Pacific	28 yd. (center folded)	11.5 oz.	120 in.
884648	2648-0000	Apex Pebble	28 yd. (center folded)	11.5 oz.	120 in.
884645	2645-0000	Apex Salt	28 yd. (center folded)	11.5 oz.	120 in.
884651	2651-0000	Apex Sunflower	28 yd. (center folded)	11.5 oz.	120 in.
884653	2653-0000	Apex Sunset	28 yd. (center folded)	11.5 oz.	120 in.
884652	2652-0000	Apex Terracotta	28 yd. (center folded)	11.5 oz.	120 in.
884641	2641-0000	Apex Wren	28 yd. (center folded)	11.5 oz.	120 in.

Sunbrella® is a registered trademark of Glen Raven, Inc. GREENGUARD® is a registered trademark of GREENGUARD Environmental Institute.



## Architec 400®

Architec 400 is an extremely strong UV stabilized knitted shade cloth that has been designed for large commercial tension membrane structures and shade sails. It is a High Density Polyethylene fabric with an excellent weight to strength ratio, has very good tensile strength, and is extremely resistant to tearing. This fabric also incorporates the latest in ultraviolet stabilizers that provide improved



Item #	Color	Put Up	Weight	Width
865203	Aquamarine	100 ft. (center folded)	10 oz.	150 in.
865234	Aussie Green	100 ft. (center folded)	10 oz.	150 in.
865221	Black	100 ft. (center folded)	10 oz.	150 in.
865219	Bronze	100 ft. (center folded)	10 oz.	150 in.
865231	Cafe Noir	100 ft. (center folded)	10 oz.	150 in.
865229	Cappuccino	100 ft. (center folded)	10 oz.	150 in.
865237	Golden Yellow	100 ft. (center folded)	10 oz.	150 in.
865201	Midnight Green	100 ft. (center folded)	10 oz.	150 in.
865205	Navy Blue	100 ft. (center folded)	10 oz.	150 in.
865215	Porcelain	100 ft. (center folded)	10 oz.	150 in.
865227	Red	100 ft. (center folded)	10 oz.	150 in.
865209	Rust	100 ft. (center folded)	10 oz.	150 in.
865211	Sage	100 ft. (center folded)	10 oz.	150 in.
865207	Sandstone	100 ft. (center folded)	10 oz.	150 in.
865225	Silver	100 ft. (center folded)	10 oz.	150 in.
865213	Slate Gray	100 ft. (center folded)	10 oz.	150 in.
865233	White	100 ft. (center folded)	10 oz.	150 in.

Comtex® is a registered trademark of Polyfab USA LLC.



Polytex®

Polytex is manufactured from High Density Polyethylene (HDPE), using a monofilament and tape construction. The fabric is produced by knitting the monofilament and tape together utilizing “Raschel Knit” (lock stitch) construction to ensure that the fabric will not tear or fray if cut or pierced by sharp objects. Polytex has been designed for shade structures and architectural shade sails, providing UVA and UVB protection greater than 95%. Its high strength to weight ratio, UV performance and fire rating make it the ideal choice for small scale projects where shade and protection are desired. This fabric is lead and phthalate free.

<b>Fabric</b>	High Density Polyethylene (HDPE)
<b>FR Standards Met</b>	NFPA 701; ASTM E84, Class A Building Material
<b>Warranty</b>	10-Year Against UV Degradation

Item #	Color	Put Up	Weight	Width
865103	Aquamarine	100 ft. (center folded)	7 oz.	150 in.
865134	Aussie Green	100 ft. (center folded)	7 oz.	150 in.
865121	Black	100 ft. (center folded)	7 oz.	150 in.
865119	Bronze	100 ft. (center folded)	7 oz.	150 in.
865131	Cafe Noir	100 ft. (center folded)	7 oz.	150 in.
865129	Cappuccino	100 ft. (center folded)	7 oz.	150 in.
865137	Golden Yellow	100 ft. (center folded)	7 oz.	150 in.
865135	Grape	100 ft. (center folded)	7 oz.	150 in.
865136	Lime	100 ft. (center folded)	7 oz.	150 in.
865101	Midnight Green	100 ft. (center folded)	7 oz.	150 in.
865105	Navy Blue	100 ft. (center folded)	7 oz.	150 in.
865115	Porcelain	100 ft. (center folded)	7 oz.	150 in.
865127	Red	100 ft. (center folded)	7 oz.	150 in.
865109	Rust	100 ft. (center folded)	7 oz.	150 in.
865111	Sage	100 ft. (center folded)	7 oz.	150 in.
865107	Sandstone	100 ft. (center folded)	7 oz.	150 in.
865125	Silver	100 ft. (center folded)	7 oz.	150 in.
865113	Slate Gray	100 ft. (center folded)	7 oz.	150 in.
865133	White	100 ft. (center folded)	7 oz.	150 in.

Polytex® is a registered trademark of Polyfab USA LLC.

FR Comshade®

FR Comshade® is a premium fire-rated shade fabric designed for large tension membrane structures and architectural shade sails. It meets California State Fire Marshal Flame Resistance Title 19 and is 100% lead free. FR Comshade is supported with a 10-year limited warranty.

<b>Fabric</b>	High Density Polyethylene (HDPE)
<b>FR Standards Met</b>	California State Fire Marshal (per Title 19, Section 1237.1; NFPA 701-2015 Test Method 1 and 2
<b>Warranty</b>	10-Year Limited Warranty

Item #	Color	Put Up	Weight	Width
865300	Aquamarine	33 yd.	8.25 oz.	150 in.
865301	Cappuccino	33 yd.	8.25 oz.	150 in.
865302	Midnight Green	33 yd.	8.25 oz.	150 in.
865303	Porcelain	33 yd.	8.25 oz.	150 in.
865304	Sandstone	33 yd.	8.25 oz.	150 in.
865305	Silver	33 yd.	8.25 in.	150 in.
865306	White	33 yd.	8.25 oz.	150 in.

FR Comshade® is a registered trademark of Polyfab USA.



## Comshade® Xtra

Comshade® Xtra is an extra heavy duty knitted shadecloth. It significantly exceeds any other shadecloth on the market for UV protection and strength to weight ratios. Comshade Xtra is ideal for medium and large sized, high tensile commercial projects where safety and longevity are critical.

<b>Fabric</b>	High Density Polyethylene (HDPE)
<b>Warranty</b>	15-Year Limited Warranty

Item #	Color	Put Up	Weight	Width
865401	Aquamarine	44 yd.	12 oz.	157 in.
865400	Aspen	44 yd.	12 oz.	157 in.
865405	Bronze	44 yd.	12 oz.	157 in.
865408	Charcoal	44 yd.	12 oz.	157 in.
865406	Jade	44 yd.	12 oz.	157 in.
865407	Midnight Green	44 yd.	12 oz.	157 in.
865409	Mushroom	44 yd.	12 oz.	157 in.
865402	Navy Blue	44 yd.	12 oz.	157 in.
865404	Porcelain	44 yd.	12 oz.	157 in.
865403	Silver	44 yd.	12 oz.	157 in.

Comshade® Xtra is a registered trademark of Polyfab USA.



## Commercial 95® 340

An ultraviolet-stabilized HDPE monofilament and tape knitted fabric, Commercial 95 340 was developed specifically for use in fabric structures, awnings and shade covers. Strong and stable, it offers an ideal shade solution for commercial and architectural applications such as school playgrounds, sporting facilities, parking structures, outdoor cafes, car dealerships, outdoor pool areas and more.

Designed to “breathe,” Commercial 95 340 allows cooling breezes to flow through, significantly reducing temperatures beneath. The fabric’s knitted, lock-stitch construction prevents tearing and fraying when cut. Colors remain vivid for years. GREENGUARD®, GREENGUARD® Select and OEKO-TEX® Certified. 100% lead and phthalate free.

<b>Fabric</b>	UV Stabilized HDPE Mono/Tape Construction
<b>Finish</b>	Heat Treated
<b>FR Standards Met</b>	ASTM E84, Class A (Class I-25 or under Flame Spread)
<b>Warranty</b>	10-Year Against UV Degradation

Item #	Style #	Color	Put Up	Weight	Width
865020	444938	Aquatic Blue	131 ft. (center folded)	10 oz.	118 in.
865021	444945	Black	131 ft. (center folded)	10 oz.	118 in.
865027	481254	Brown	131 ft. (center folded)	10 oz.	118 in.
865022	444952	Brunswick Green	131 ft. (center folded)	10 oz.	118 in.
865033	455255	Cayenne	131 ft. (center folded)	10 oz.	118 in.
865035	465360	Cedar	131 ft. (center folded)	10 oz.	118 in.
865023	444976	Cherry Red	131 ft. (center folded)	10 oz.	118 in.
865034	444990	Deep Ochre Red	131 ft. (center folded)	10 oz.	118 in.
865024	444983	Desert Sand	131 ft. (center folded)	10 oz.	118 in.
865039	455262	Gun Metal	131 ft. (center folded)	10 oz.	118 in.
865025	445003	Natural	131 ft. (center folded)	10 oz.	118 in.
865026	445010	Navy Blue	131 ft. (center folded)	10 oz.	118 in.
865028	445027	Rivergum Green	131 ft. (center folded)	10 oz.	118 in.
865029	445034	Sky Blue	131 ft. (center folded)	10 oz.	118 in.
865030	445041	Steel Grey	131 ft. (center folded)	10 oz.	118 in.
865031	445065	Turquoise	131 ft. (center folded)	10 oz.	118 in.
865032	445072	Yellow	131 ft. (center folded)	10 oz.	118 in.

Commercial 95® is a registered trademark of Gale Pacific Limited. GREENGUARD® is a registered trademark of GREENGUARD Environmental Institute. OEKO-TEX® is a registered trademark of the OEKO-TEX Association.

## Commercial FR 300

Commercial FR 300, formerly SaFRshade™, is specifically designed to be the safest choice in architectural shade fabric. Made from UV stabilized HDPE monofilament and tape yarns. Commercial FR 300 has a specialized lock stitch knit for more air movement and better channeling of cool breezes. It is constructed to block up to 95% of harmful UV rays. Commercial FR 300 is recyclable, tear resistant and will not crack, rot or fade and has a 10 year manufacturer’s warranty against UV degradation. It is 100% lead and phthalate free. GREENGUARD® and OEKO-TEX® Certified.

<b>Fabric</b>	High Density Polyethylene (HDPE)
<b>FR Standards Met</b>	NFPA 701; ASTM E84, Class A; CSFM Section 13115
<b>Warranty</b>	10-Year Against UV Degradation

Item #	Style #	Color	Put Up	Weight	Width
865063	456795	Beige	35 yd. (center folded)	8.79 oz.	118 in.
865060	456719	Cobalt Blue	35 yd. (center folded)	8.79 oz.	118 in.
865065	456818	Ivory	35 yd. (center folded)	8.79 oz.	118 in.

Item #	Style #	Color	Put Up	Weight	Width
865067	456887	Olive	35 yd. (center folded)	8.79 oz.	118 in.
865064	456924	Slate Grey	35 yd. (center folded)	8.79 oz.	118 in.
865062	456771	Terra Cotta	35 yd. (center folded)	8.79 oz.	118 in.

SaFRshade™ is a trademark of Gale Pacific Limited. GREENGUARD® is a registered trademark of GREENGUARD Environmental Institute. OEKO-TEX® is a registered trademark of the OEKO-TEX Association.

## Commercial Heavy 430

Commercial Heavy 430 architectural shade fabric is engineered specifically to withstand extreme weather conditions on large scale tension structures. It offers up to 94% UV protection and features superior biaxial strength and load bearing performance for optimum shape and tensioning endurance.

Commercial Heavy 430 is 100% lead and phthalate free and Greenguard® and Oeko-Tex® Standard 100 certified.

Due to the 118-inch fabric width, Commercial Heavy 430 cannot ship UPS.

Fabric	High Density Polyethylene (HDPE)
FR Standards Met	ASTM E84
Warranty	15-Year Against UV Degradation

Item #	Style #	Color	Put Up	Weight	Width
865600	484323	Aquatic Blue	131 ft.	13 oz.	118 in.
865601	484422	Black	131 ft.	13 oz.	118 in.
865602	484361	Brunswick Green	131 ft.	13 oz.	118 in.
865603	484460	Charcoal	131 ft.	13 oz.	118 in.
865604	484385	Deep Ochre	131 ft.	13 oz.	118 in.
865605	484309	Desert Sand	131 ft.	13 oz.	118 in.
865606	484887	Emerald	131 ft.	13 oz.	118 in.
865607	484347	Natural	131 ft.	13 oz.	118 in.
865611	484446	Navy Blue	131 ft.	13 oz.	118 in.
865609	484408	Steel Grey	131 ft.	13 oz.	118 in.
865610	485863	White	131 ft.	13 oz.	118 in.
865612	485849	Yellow	131 ft.	13 oz.	118 in.

GREENGUARD® is a registered trademark of GREENGUARD Environmental Institute. OEKO-TEX® is a registered trademark of the OEKO-TEX Association.

## Vivitex® Poly Oxford White

The Vivitex collection of printable fabrics from Glen Raven is specifically designed for use on most solvent, eco solvent, UV inkjet and latex printers, and can be used for a variety of indoor and outdoor sign and banner applications. Vivitex fabrics have excellent depth of color and detail, with a matte finish that produces a softer look. The inkjet receptive layer provides a white base to improve color management while creating a barrier which prevents ink bleed through.

This oxford weave polyester fabric has a white inkjet receptive top coat that is suitable for indoor/outdoor applications such as banners, patio/market umbrellas, P.O.P. displays, table drops, backdrops, sales promotions, revolving banners, and promotional bags.

Sold in full rolls only.

Fabric	Oxford Weave Polyester
Finish	White Inkjet Receptive Top Coat
Warranty	None

Item #	Style #	Color	Put Up	Weight	Width
908487	1664-0000	White	25 yd.	8 oz.	54 in.
908491	1663-0000	White	50 yd.	8 oz.	60 in.

Vivitex® is a registered trademark of Glen Raven, Inc.

## Vivitex® Sunbrella® Inkjet White

The Vivitex collection of printable fabrics from Glen Raven is specifically designed for use on most solvent, eco solvent, UV inkjet and latex printers, and can be used for a variety of indoor and outdoor sign and banner applications. Vivitex fabrics have excellent depth of color and detail, with a matte finish that produces a softer look. The inkjet receptive layer provides a white base to improve color management while creating a barrier which prevents ink bleed through.

Sunbrella Inkjet White is Sunbrella awning and marine fabric with a white inkjet receptive top coat suitable for indoor and long-term outdoor applications such as banners (including street poles), awnings, car covers, boat covers, pennants, patio/market umbrellas, P.O.P. displays, wall coverings, table drops, back drops, sales promotions, revolving banners, and promotional bags.

Sold in full rolls only.

Fabric	100% Sunbrella Acrylic
Finish	White Inkjet Receptive Top Coat
Warranty	3-Year

Item #	Style #	Color	Put Up	Weight	Width
908495	1666-0000	White	25 yd.	10 oz.	54 in.
908499	1665-0000	White	50 yd.	10 oz.	60 in.

Vivitex® is a registered trademark of Glen Raven, Inc.



## SGS Thermal Digital Print Film

SGS Thermal Digital Print Film is a flexible, urethane film which can be digitally printed and applied to Sunbrella® or other Glen Raven fabrics. For use with the Sunbrella Graphics System, it produces high-quality, durable graphics. The adhesive is thermal activated, dry to the touch at low temperatures, and will remain dry to the touch once cooled. The film can reduce the application time by 75% when compared to other pressure-sensitive films. It can also be used unprinted for white lettering or graphics where printing is not required. SGS Thermal Digital Print Film is suitable for use in most solvent, eco-solvent, and UV printers. Sold in full rolls only.

Suggested uses: awnings, banners, umbrellas, covers.

Item #	Style #	Put Up	Width
901676	1676-0000	25.153 yd.	30 in.
901678	1678-0000	25.153 yd.	60 in.

Sunbrella® is a registered trademark of Glen Raven, Inc.

## Flag – Nylon

In a versatile white, this nylon fabric works best in fabricating flags and banners. Made from 200-denier cloth, it supplies a lightweight but durable material.

Item #	Color	Denier	Put Up	Weight	Width
724800	White	200	100 yd., 300 yd. cartons	2.92 oz.	59 in.

## Evolution®

Evolution is an advanced generation fabric, ideal for a wide range of protective applications including automobile covers, sports and equipment bags, marine covers, and tarpaulins. With four-layer construction, it is strong and durable, yet lightweight and drapable. Evolution offers excellent UV resistance and water repellency. Its breathable barrier allows air to circulate and keeps moisture and contaminants out. The fabric is washable, quick drying, mold and mildew resistant, and won't stretch or shrink. All styles have a gray backside.

Fabric		Polypropylene/Polyethylene			
Item #	Color	Put Up	Weight	Width	
720312	Gray	300 yd.	4.8 oz.	55 in.	

EVOLUTION® is a registered trademark of Kimberly-Clark World Wide, Inc.



## Block-It® Matrix

Block-It Matrix is a storage/mooring cover fabric that is water repellent (not waterproof), breathable, UV, mildew and rot resistant. Matrix is not recommended for trailered (over-the-road) applications.

Fabric		100% Polypropylene			
Item #	Color	Put Up	Weight	Width	
720308	Gray	370 Yards	3.8 oz.	55 in.	

BLOCK-IT® is a registered trademark of Kimberly-Clark World Wide, Inc.

## Noah® Barrier Fabric

A technologically advanced car cover fabric. Its proprietary bicomponent technology provides the highest level of softness and strength and blocks water, while providing for breathability. Primarily for outdoor use, Noah serves as a complete barrier to most dust, dirt and other environmental hazards and pollutants, and guards against surface scratches. Easily compactible. Industrial tumble front-load machine or hand washable.

Fabric		Polyethylene and Polypropylene			
Warranty		None			

Item #	Color	Put Up	Weight	Width	
720310	Gray	375 yd.	4.7 oz.	55 in.	

NOAH® is a registered trademark of Kimberly-Clark World Wide, Inc.

## Sunforger® Car Cover Flannel

Suntan color for boat and automobile covers where flannel is needed to prevent marring of finish. Water repellent and mildew resistant. NOT BOAT SHRUNK. Recommended for dust cover applications. Not intended for trailerable covers.

Fabric		Canton Flannel			
Finish		Mineral-Dyed			

Item #	Color	Put Up	Weight	Width	
710002	Tan	80 yd.	8 oz.	55 in.	

Sunforger® is a registered trademark of M.F. & H Textiles.





## Coverlight® CSM Coated Nylon

Coverlight CSM coated nylon features all the advantages of Neoprene coating, but with exceptional abrasion resistance. One of the most versatile cover fabrics. Withstands deterioration by weather, ozone, sunlight, heat and moderately corrosive chemicals. This fabric offers excellent service at high temperatures. More resistant to high temperatures (up to 225°F) and oxidizing agents than Neoprene or vinyl.

CSM Coated Nylon can be sewn or cemented to provide airtight and watertight seams. CSM Coated Nylon cannot be heat or R.F. welded.

Suggested Uses: Lifeboat covers, steam fumigation covers, truck tarpaulins.

Fabric	Nylon
Finish	CSM (Chlorosulfanated Polyethylene)
Warranty	None

Item #	Style #	Color	Put Up	Weight	Width
965295	16209	Black	100 yd.	16 oz.	60 in.
965296	16242	Black	75 yd.	35 oz.	60 in.
965290	15954	Green	100 yd.	17 oz.	60 in.
965291	15955	Red	100 yd.	17 oz.	60 in.
965293	15957	White	100 yd.	17 oz.	60 in.

Coverlight® is a registered trademark of Trelleborg.

## Coverlight® Neoprene® Coated Nylon

Coverlight Neoprene coated nylon is a versatile general purpose material that provides good resilience and tensile strength. A popular choice for truck tarps, machine covers, and aircraft wing covers. This fabric is resistant to water, mildew and many solvents and petroleum based products. Available with a textured or a dusted surface. The dusted surface requires buffing before

applying cement, but is less expensive and lends itself to a better surface for slipping the material on and off a truck, aircraft or similar type equipment. Material cannot be R.F. welded.

Performs well at temperatures up to 225°F.

Fabric	Nylon
Finish	Neoprene
Warranty	None

Item #	Style #	Description	Color	Put Up	Weight	Width
960012	18412	Dusted	Aluminum Gray / Aluminum Gray	100 yd.	16 oz.	60 in.
960009	18404	Textured	Black / Aluminum Gray	100 yd.	16 oz.	60 in.
960011	18411	Dusted	Black / Black	100 yd.	16 oz.	60 in.
960008	18403	Textured	Black / Black	100 yd.	16 oz.	60 in.
960014	18335		Black	50 yd.	40 oz.	60 in.

Coverlight® is a registered trademark of Trelleborg. Neoprene® is a registered trademark of E.I. du Pont de Nemours and Company.

## Dock Seal

Outstanding abrasion resistance, tear strength, and weatherability give these products a competitive advantage in the marketplace. Dock Seal is suitable for dock seal and heavy-duty tarp applications.

Fabric	Polyester
Finish	Vinyl Coated

Item #	Description	Color	Put Up	Weight	Width
978295	High Tear	Black	50 yards	40 oz.	60 in.

## Tonneau-Tex® SP

A wide width for tonneau covers and protective applications requiring a minimum of seams. High tear and tensile strength. Weather, abrasion and rot resistance. Excellent cleanability and dimensional stability.

Fabric	100% Polyester Base
Finish	Crush Embossed, Vinyl Coated

Item #	Color	Put Up	Weight	Width
734515	Black	25 yd.	18 oz.	78 in.

Tonneau-Tex® is a registered trademark of Bruin Plastics Co.

Trivantage® GVC18

Trivantage GVC18 is an ideal choice for situations demanding a strong, durable tarp fabric.

Trivantage GVC18 resists rips, tears, abrasions and punctures. Performing well for all kinds of fitted, flat and special-duty tarps, this strong, economical fabric features an exceptionally soft hand that allows for ease of fabrication. It stays tough and can be easily handled at very low temperatures.

Fabric	Vinyl Coated Polyester
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Item #	Color	Put Up	Weight	Width
960180	Black	110 yd.	18 oz.	61.25 in.
960181	Blue	110 yd.	18 oz.	61.25 in.
960190	Brown	110 yd.	18 oz.	61.25 in.
960189	Burgundy	110 yd.	18 oz.	61.25 in.
960187	Gray	110 yd.	18 oz.	61.25 in.
960184	Green	110 yd.	18 oz.	61.25 in.
960186	Orange	110 yd.	18 oz.	61.25 in.
960182	Red	110 yd.	18 oz.	61.25 in.
960188	Tan	110 yd.	18 oz.	61.25 in.
960183	White	110 yd.	18 oz.	61.25 in.
960185	Yellow	110 yd.	18 oz.	61.25 in.

Trivantage® is a registered trademark of Glen Raven, Inc.

Utility Trash Tarp Fabric

This multi-colored mesh is ideally suited for trash truck covers and tarpaulins where rain or moisture protection is not required. Used to secure truckload contents against littering of roadways from fallout or blowoff. This material may be sewn together or bonded, and is abrasion and UV resistant.

Fabric	Vinyl Encapsulated Woven Polyester, Open Mesh
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Item #	Color	Fabric Count	Put Up	Weight	Width
997101	Multi-Color	11 x 11	100 yd.	12 oz.	96 in.
997102	Multi-Color	11 x 11	100 yd.	12 oz.	72 in.

Phifertex® Recreational Mesh

Ideal for jump pit applications.

Phifertex is infused with Microban® antimicrobial product protection, helping to provide an additional level of cleanliness protection that won't wash or wear away for the lifetime of the fabric. Microban protection inhibits the growth of stain and odor-causing bacteria, mold and mildew and works continuously, keeping fabrics cleaner for longer. This product is GREENGUARD® and GREENGUARD® Gold certified.

Fabric	Vinyl Encapsulated Polyester Yarns
FR Standards Met	California Technical Bulletin 117
Warranty	3-Year

Item #	Style #	Color	Fabric Count	Put Up	Weight	Width
997350	G00	Royal Blue	13 x 12	60 yd.	10.3 oz.	72 in.

Phifertex® is a registered trademark of Phifer Incorporated. Microban® is a registered trademark of Microban Products Company. GREENGUARD® is a registered trademark of GREENGUARD Environmental Institute.

Polyester Utility Mesh

This medium weight fabric offers an excellent balance of strength and degree of openness. The main application is mesh truck covers.

Fabric	Polyester
Finish	Vinyl Encapsulated

Item #	Color	Fabric Count	Put Up	Weight	Width
997077	Black	11 x 11	100 yd.	11.5 oz.	96 in.

Phifertex® General Purpose

Designed for use as a pool fence/barrier mesh.

Phifertex is infused with Microban® antimicrobial product protection, helping to provide an additional level of cleanliness protection that won't wash or wear away for the lifetime of the fabric. Microban protection inhibits the growth of stain and odor-causing bacteria, mold and mildew and works continuously, keeping fabrics cleaner for longer. This product is GREENGUARD® and GREENGUARD® Gold certified.

Fabric	Vinyl Encapsulated Polyester Yarns
FR Standards Met	California Technical Bulletin 117, Section E
Warranty	3-Year

Item #	Style #	Color	Put Up	Weight	Width
997081	X04	Black	100 yd.	8.3 oz.	48 in.

Phifertex® is a registered trademark of Phifer Inc. Microban® is a registered trademark of Microban Products Company. GREENGUARD® is a registered trademark of GREENGUARD Environmental Institute.

VCP

Premium vinyl coated polyester fabric for over-the-road covers.

Fabric	Vinyl Coated Polyester
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Item #	Style #	Color	Put Up	Weight	Width
967004	G14468	Black	110 yd.	14 oz.	61 in.
967104	G16468	Black	110 yd.	16 oz.	61 in.
967204	G18468	Black	110 yd.	18 oz.	61 in.
967304	G22415	Black	110 yd.	22 oz.	61 in.
967210	G18468	Burgundy	110 yd.	18 oz.	61 in.
967209	G18468	Cocoa Brown	110 yd.	18 oz.	61 in.

Item #	Style #	Color	Put Up	Weight	Width
967006	G14468	Gray	110 yd.	14 oz.	61 in.
967106	G16468	Gray	110 yd.	16 oz.	61 in.
967206	G18468	Gray	110 yd.	18 oz.	61 in.
967306	G22415	Gray	110 yd.	22 oz.	61 in.
967003	G14468	Green	110 yd.	14 oz.	61 in.
967203	G18468	Green	110 yd.	18 oz.	61 in.
967303	G22415	Green	110 yd.	22 oz.	61 in.
967207	G18468	Orange	110 yd.	18 oz.	61 in.
967307	G22415	Orange	110 yd.	22 oz.	61 in.
967100	G16468	Red	110 yd.	16 oz.	61 in.
967200	G18468	Red	110 yd.	18 oz.	61 in.
967300	G22415	Red	110 yd.	22 oz.	61 in.
967002	G14468	Royal Blue	110 yd.	14 oz.	61 in.
967102	G16468	Royal Blue	110 yd.	16 oz.	61 in.
967202	G18468	Royal Blue	110 yd.	18 oz.	61 in.
967302	G22415	Royal Blue	110 yd.	22 oz.	61 in.
967211	G18468	Tan	110 yd.	18 oz.	61 in.
967001	G14468	White	110 yd.	14 oz.	61 in.
967201	G18468	White	110 yd.	18 oz.	61 in.
967301	G22415	White	110 yd.	22 oz.	61 in.
967005	G14468	Yellow	110 yd.	14 oz.	61 in.
967105	G16468	Yellow	110 yd.	16 oz.	61 in.
967205	G18468	Yellow	110 yd.	18 oz.	61 in.
967305	G22415	Yellow	110 yd.	22 oz.	61 in.

## VCP Asphalt Tarps

Extremely strong and durable. Highly water resistant. Rated to -40°F.

Fabric	Polyester
Finish	Vinyl Coated

Item #	Style #	Color	Put Up	Weight	Width
968021	G16330 902	Black	110 yd.	16 oz.	61 in.

## Energy Shield™

This reflective, laminated fabric is ideal for insulating industrial curtains, and drop ceilings. It is also used for thermal barriers, reflective spa cover liners, soft-sided coolers, airplane windshield covers, reflective tarpaulins, pizza bags, and many more energy-saving applications.

Fabric	Vinyl Laminated Polyester
Finish	Taffeta Embossing

Item #	Style #	Put Up	Weight	Width
975399	200	100 yd.	10 oz.	54 in.

Item #	Style #	Put Up	Weight	Width
975398	100	50 yd.	18 oz.	54 in.

Energy Shield™ is a trademark of Bruin Plastics Company, Inc.

## Fyrguard™ Fire and Water-Resistant Cover Duck

Number and Single-Filled Ounce Ducks are treated to meet the many uses where fire resistance is of primary importance. The treatment penetrates the fabric and does not allow it to support flame. Sold in full rolls only.

Fabric	Cotton Ounce Duck
FR Standards Met	CPAI-84
Warranty	None

Item #	Color	Put Up	Weight	Width
766154	Olive Drab	100 yd.	12 oz.	48 in.

Fyrguard™ is a trademark of Glen Raven, Inc.

## Skipper Water-Resistant Cover Duck

High-count, single-filled ounce duck, treated with the most dependable water- and mildew-resistant compounds. Ideal for tarps and covers. Sold in full rolls only.

Fabric	Cotton Ounce Duck
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Item #	Color	Put Up	Weight	Width
763654	Olive Drab	100 yd.	10 oz.	36 in.
764154	Olive Drab	100 yd.	12 oz.	48 in.
763614	Olive Drab	100 yd.	14.9 oz.	36 in.
764115	Olive Drab	100 yd.	14.9 oz.	48 in.

## Herculite® Translucent – Flame Retardant

Laminated fabrics that are used in a variety of applications including construction enclosures, agricultural curtains, and divider curtains.

Fabric	Vinyl Laminated Polyester
FR Standards Met	ASTM D6413

Item #	Style #	Put Up	Weight	Width
973030	T13	75 yd.	13 oz.	62 in.

Herculite® is a registered trademark of Herculite Products Inc.



## Herculite® No. 80M

Built for military conditions, this laminated polyester fabric is built to last. The heavy-duty fabric can be used in a range of applications. It resists abrasion, water, mildew, and UV light.

Fabric that meets government specification is available by special order.

Suggested uses: stationary tarps, sandblast screens, divider curtains, lifeboat covers, stationary cargo covers.

Fabric		Vinyl Laminated Polyester			
FR Standards Met		ASTM D-6413			
Item #	Style #	Color	Put Up	Weight	Width
973127	80M	Black	50 yd.	18 oz.	61 in.
973123	80M	Gray	50 yd.	18 oz.	61 in.
973125	80M	Olive Drab	50 yd.	18 oz.	61 in.
973120	80M	Red	50 yd.	18 oz.	61 in.
973124	80M	White	50 yd.	18 oz.	61 in.

Herculite® is a registered trademark of Herculite Products Inc.

## Herculite® No. 90

Herculite 90 is an industrial, polyester fabric. With a host of features, it can be used in a range of industries. The laminated fabric defends against water, mildew, UV rays, and abrasion.

Fabric that meets government specification is offered by special order.

Suggested uses: stationary cargo covers, gym floor covers, heavy-duty upholstery, portable shelters, stationary tarps.

Fabric		Vinyl Laminated Polyester			
FR Standards Met		ASTM D-6413			
Item #	Style #	Color	Put Up	Weight	Width
973142	90	Black	50 yd.	18 oz.	61 in.
973148	90	Desert Tan	50 yd.	18 oz.	61 in.
973143	90	Green	50 yd.	18 oz.	61 in.
973140	90	Grey	50 yd.	18 oz.	61 in.
973145	90	Royal Blue	50 yd.	18 oz.	61 in.
973141	90	White	50 yd.	18 oz.	61 in.

Herculite® is a registered trademark of Herculite Products Inc.

## Lam-A-Lite™ Style C13604

This vinyl-laminated polyester provides a fairly priced option in general-purpose fabrics. It is highly durable and mildew resistant.

Not recommended for over-the-road tarp applications.

Suggested uses: wall pads, equipment covers, cushions, curtains.

Fabric		Vinyl Laminated Polyester		
FR Standards Met		California State Fire Marshal; NFPA 701, Test Method 2		
Item #	Color	Put Up	Weight	Width
975122	Black	100 yd.	13 oz.	61 in.
975126	Blue	100 yd.	13 oz.	61 in.
975125	Gray	100 yd.	13 oz.	61 in.
975120	Green	100 yd.	13 oz.	61 in.
975123	Red	100 yd.	13 oz.	61 in.
975127	Tan	100 yd.	13 oz.	61 in.
975124	White	100 yd.	13 oz.	61 in.
975121	Yellow	100 yd.	13 oz.	61 in.

Lam-A-Lite™ is a trademark of Glen Raven, Inc.

## Lam-A-Lite™ Style C10641

C10641 is a lighter weight version of Lam-A-Lite C13604. The vinyl-laminated polyester offers a cost-effective option in general-purpose fabrics. The fabric is mildew resistant and durable.

Not recommended for over-the-road tarp functions.

Suggested uses: disposable emergency tarps, dust covers and curtains.

Fabric		Vinyl Laminated Polyester		
FR Standards Met		California State Fire Marshal; NFPA 701, Test Method 2		
Item #	Color	Put Up	Weight	Width
975002	Black	100 yd.	10 oz.	61 in.
975006	Blue	100 yd.	10 oz.	61 in.
975005	Gray	100 yd.	10 oz.	61 in.
975003	Red	100 yd.	10 oz.	61 in.
975004	White	100 yd.	10 oz.	61 in.
975001	Yellow	100 yd.	10 oz.	61 in.

Lam-A-Lite™ is a trademark of Glen Raven, Inc.

## Tufmesh™

Tufmesh™ is specially designed for the truck cover and tarp industry. It is also suited for other applications such as fencing and recreational applications.

Fabric		Vinyl Coated Woven Polyester Mesh			
Item #	Color	Fabric Count	Put Up	Weight	Width
997071	Black	11 x 11	100 yd.	10 oz.	72 in.

Tufmesh™ is a trademark of BondCote Corporation.

## Nico-Fab® Tarp Fabric

A low cost, first quality polypropylene tarp fabric. This material is highly ultraviolet resistant due to the amount of carbon black used. Suitable for mesh truck tarps.

Fabric		Polypropylene			
Item #	Style #	Color	Put Up	Weight	Width
902885	25109	Black	100 yd.	4.5 oz.	143 in.
902888	20409	Black	100 yd.	6.5 oz.	96 in.

Nico-Fab® is a registered trademark of Ten Cate Nicolon.

## Poly-Mesh L60611

Lightweight, yet incredibly strong, Poly-Mesh is a durable fabric ideal for a variety of applications including pool covers, sail bags, shade cloth and truck covers.

Fabric		1000 Denier Weft Inserted Warp Knit Polyester			
Finish		Vinyl Coated, Glossy			
Item #	Style #	Color	Put Up	Weight	Width
910078	2410WL	Black	75 yd.	5.6 oz.	61 in.
910072	2406WL	White	80 yd.	5.6 oz.	61 in.

## Shelter-Rite® Poly-R Scrim

A mesh fabric exhibiting superior resistance to ultraviolet degradation. A significant feature is the maintenance of strength for added years of product service.

Suggested Uses: Trash truck covers, tennis court dividers, wind screens, gravel and sand truck tarps, canal erosion liners, paddle tennis curtains, pool covers.

Fabric		Vinyl Coated Polyester, Open Mesh			
Warranty		None			
Item #	Color	Color #	Put Up	Weight	Width
950707	Black	DC-7	100 yd.	7 oz.	60 in.
950704	Gray	DC-4	100 yd.	7 oz.	60 in.
950724	Green	DC-24	100 yd.	7 oz.	60 in.
950702	Red	DC-2	100 yd.	7 oz.	60 in.
950746	Royal Blue	DC-46	100 yd.	7 oz.	60 in.
950706	White	DC-6	100 yd.	7 oz.	60 in.
950742	Yellow	DC-42	100 yd.	7 oz.	60 in.

Shelter-Rite® is a registered trademark of the Seaman Corporation.

## Shelter-Rite® Tarp Fabric Style 2118

This tarp fabric is designed for high performance and flexibility. Shelter-Rite #2118 is resistant to tears and abrasion.

Suggested uses: truck tarps, reefer ducts, modular-fitted protection covers, pool covers, agriculture, industrial seating upholstery.

Fabric		Vinyl Coated Nylon				
Item #	Style #	Color	Color #	Put Up	Weight	Width
951850	2118	Black	DC-7	110 yd.	18 oz.	61 in.

Shelter-Rite® is a registered trademark of the Seaman Corporation.

## Chair Duck

Commercial water-repellent finish on cotton number duck. For chairs, bags, or products where a heavier duck is needed. Continuous exposure to sunlight will cause fading.

Fabric		Cotton Number Duck			
Finish		Water Repellent			
Item #	Style #	Color	Put Up	Weight	Width
738250	#8	Black	50 yd.	18 oz.	58 in.
738255	#8	Olive Drab	50 yd.	18 oz.	58 in.

## Double-Filled Pre-Shrunk Bleached Duck

Suggested uses: aisle cloths, drop cloths, filter cloths, dust covers, bags, banners, and numerous other specialty items.

Fabric	Cotton			
Finish	Natural/Bleached			
Item #	Fabric Count	Put Up	Weight	Width
700006	84 x 28	300 yd.	7 oz.	36 in.

## Midwest Brand Wide – Number Duck

Suggested Uses: Heavy bags, roofing and floor covering (No. 8 or No. 10), laundry and harvester machine aprons, unprimed artist canvas (No. 12).

Fabric		Cotton Duck				
Finish		None (Greige)				

Item #	Style #	Put Up	Weight	Width
632120	#10	50 yd.	14.5 oz.	120 in.
632036	#10	100 yd.	14.5 oz.	36 in.
632048	#10	100 yd.	14.5 oz.	48 in.
632060	#10	100 yd.	14.5 oz.	60 in.
632072	#10	100 yd.	14.5 oz.	72 in.
632320	#12	50 yd.	11.5 oz.	120 in.
632324	#12	50 yd.	11.5 oz.	144 in.
632236	#12	100 yd.	11.5 oz.	36 in.
632248	#12	100 yd.	11.5 oz.	48 in.
632260	#12	100 yd.	11.5 oz.	60 in.
632272	#12	100 yd.	11.5 oz.	72 in.
632284	#12	100 yd.	11.5 oz.	84 in.
631026	#2/0	100 yd.	32 oz.	26 in.
631448	#4	100 yd.	24 oz.	48 in.
631460	#4	100 yd.	24 oz.	60 in.
631636	#6	100 yd.	20 oz.	36 in.
631660	#6	100 yd.	20 oz.	60 in.
631836	#8	100 yd.	18 oz.	36 in.
631848	#8	100 yd.	18 oz.	48 in.
631860	#8	100 yd.	18 oz.	60 in.
631872	#8	100 yd.	18 oz.	72 in.

Sateen Duck

Suggested used: dust covers, and large vacuum bags.

Fabric	Cotton Duck
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Item #	Put Up	Weight	Width
640011	250 yd.	8.2 oz.	58 in.

Single-Filled Enameling Duck

Suggested uses: pipe wrappers, artist cloth, dust covers, luggage lining, canvas shoes, sneakers and many other uses.

Fabric	Cotton Duck
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Item #	Color	Put Up	Weight	Width
636007	Natural	100 yd.	7 oz.	72 in.

Single-Filled Ounce Duck

A flat-weave duck with single yarns in warp and filling.

Suggested uses: drop cloths, bags and other specialty items.

Fabric	Cotton Duck
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Item #	Color	Put Up	Weight	Width
616026	Natural	100 yd.	10 oz.	36 in.
616060	Natural	100 yd.	10 oz.	48 in.
616063	Natural	100 yd.	10 oz.	60 in.
616065	Natural	100 yd.	10 oz.	72 in.
616036	Natural	100 yd.	12 oz.	36 in.
616070	Natural	100 yd.	12 oz.	48 in.



U.S. Army Duck Natural

A plain-weave, firmly woven fabric made of long-staple, clean white cotton with high count, plied warp and filling yarn construction (two or more strands twisted together).

Fabric	Cotton Duck
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Item #	Color	Put Up	Weight	Width
618024	Natural / White	100 yd.	12.98 oz.	37 in.

Canton Flannel Natural – Untreated

A clean, high count twill is used to produce this fabric with nap on one side. Ideal for furniture and appliance pads and covers. Not water repellent.

Fabric	Cotton Twill, 65% Polyester/35% Cotton
Finish	Napped, one side

Item #	Style #	Put Up	Weight	Width
656022	910D	300 yd.	10 oz.	37 in.
656012	912D	300 yd.	12 oz.	37 in.
656021	908D	300 yd.	8 oz.	37 in.
656070	238W	250 yd.	8 oz.	71 in.





BetterVue™

Phifer’s BetterVue insect screening for windows, doors and porches is an excellent visibility insect screen designed to maximize outward view.

Woven from small, refined yarns that improve the screen’s openness, BetterVue makes visibility sharper and more brilliant. It’s like a “high definition” insect screen for windows, doors, and screened porches. With BetterVue, customers see the clear and vibrant view, not the screen.

BetterVue has excellent visibility from inside and better curb appeal when viewing windows from the street. It features excellent insect protection due to 30% smaller openings than standard screen. An excellent product for coastal regions, BetterVue is available in black and has improved light transmittance and improved airflow due to increased openness.

BetterVue is infused with Microban® antimicrobial product protection, helping to provide an additional level of cleanliness protection that won’t wash or wear away for the lifetime of the screen. Microban protection inhibits the growth of stain and odor-causing bacteria, mold and mildew and works continuously, keeping screens cleaner for longer. This product is GREENGUARD® and GREENGUARD® Gold certified.

Fabric		Fiberglass				
Item #	Color	Fabric Count	Put Up	Weight	Width	
902740	Black	20 x 20	100 ft.	2.5 oz.	24 in.	
902742	Black	20 x 20	100 ft.	2.5 oz.	30 in.	
902746	Black	20 x 20	100 ft.	2.5 oz.	48 in.	
902748	Black	20 x 20	100 ft.	2.5 oz.	60 in.	
902750	Black	20 x 20	100 ft.	2.5 oz.	72 in.	
902752	Black	20 x 20	100 ft.	2.5 oz.	84 in.	
902754	Black	20 x 20	100 ft.	2.5 oz.	96 in.	

BetterVue™ is a trademark of Phifer Inc. GREENGUARD® is a registered trademark of GREENGUARD Environmental Institute. Microban® is a registered trademark of Microban Products Company.

No-See-Um Netting

This netting’s tight construction prevents even the smallest bugs from getting into outdoor enclosures.

Fabric		Polyester		
Item #	Color	Put Up	Width	
902835	Gray	100 yd.	72 in.	

Phifer® Fiberglass Screening

A mesh screening of woven fiberglass. Dimensionally stable – does not shrink or stretch. Will not corrode. Unaffected by salt air, smoke and fumes. Excellent impact resistance. Will not support combustion. Easily fabricated for windows and doors. Not recommended for swimming pool covers because of the effects of chlorine on the fabric.

Fabric		Vinyl Coated Fiberglass		
Finish		PVC over Fiberglass		
FR Standards Met		FL-L.S.-125B		

Item #	Style #	Color	Fabric Count	Put Up	Weight	Width
902924	3000022	Charcoal	18 x 14	100 linear ft.	3.3 oz.	108 in.
902826	3003379	Charcoal	18 x 14	100 linear ft.	3.3 oz.	36 in.
902828	3000019	Charcoal	18 x 14	100 linear ft.	3.3 oz.	36 in.
902812	3003382	Charcoal	18 x 14	100 linear ft.	3.3 oz.	48 in.
902941	3003384	Charcoal	18 x 14	100 linear ft.	3.3 oz.	60 in.
902822	3000063	Charcoal	18 x 14	100 linear ft.	3.3 oz.	84 in.
902829	3000016	Charcoal	18 x 16	100 linear ft.	3.3 oz.	48 in.
902815	3002652	Charcoal	18 x 16	600 linear ft.	3.3 oz.	48 in.
902854	3002526	Charcoal	18 x 16	100 linear ft.	3.3 oz.	60 in.
902819	3002527	Charcoal	18 x 16	100 linear ft.	3.3 oz.	72 in.
902807	3003518	Charcoal	20 x 20	100 linear ft.	3.3 oz.	36 in.
902859	3003519	Charcoal	20 x 20	100 linear ft.	3.3 oz.	48 in.
902823	3003520	Charcoal	20 x 20	100 linear ft.	3.3 oz.	60 in.
902920	3003521	Charcoal	20 x 20	100 linear ft.	3.3 oz.	72 in.
902849	3003321	Silver Gray	18 x 14	100 linear ft.	3.3 oz.	48 in.
902856	3003326	Silver Gray	18 x 14	100 linear ft.	3.3 oz.	72 in.
902821	3003328	Silver Gray	18 x 14	100 linear ft.	3.3 oz.	84 in.
902850	3002201	Silver Gray	18 x 16	100 linear ft.	3.3 oz.	36 in.
902852	3002209	Silver Gray	18 x 16	100 linear ft.	3.3 oz.	48 in.
902853	3002212	Silver Gray	18 x 16	100 linear ft.	3.3 oz.	60 in.
902863	3002215	Silver Gray	18 x 16	100 linear ft.	3.3 oz.	72 in.
902862	3002218	Silver Gray	18 x 16	100 linear ft.	3.3 oz.	84 in.
902864	3003502	Silver Gray	20 x 20	100 linear ft.	3.3 oz.	48 in.
902891	3003504	Silver Gray	20 x 20	100 linear ft.	3.3 oz.	72 in.

Phifer® is a registered trademark of Phifer Incorporated.

Phifer® PetScreen®

A heavy-duty, vinyl-coated polyester insect screening, PetScreen is seven times stronger than traditional insect screening and resists tears, punctures and other damage caused by pets and heavy wear in high traffic areas.

PetScreen is infused with Microban® antimicrobial product protection, helping to provide an additional level of cleanliness protection that won't wash or wear away for the lifetime of the fabric. Microban protection inhibits the growth of stain and odor-causing bacteria, mold and mildew and works continuously, keeping fabrics cleaner for longer. This product is GREENGUARD® and GREENGUARD® Gold certified.

Suggested uses: excellent for exterior screen doors where pet resistance is needed.

Fabric	Woven Vinyl Coat Polyester
Finish	Vinyl PVC
FR Standards Met	California Technical Bulletin 117

Item #	Color	Put Up	Weight	Width
902800	Black	100 ft.	11 oz.	36 in.
902798	Black	100 ft.	11 oz.	48 in.
902785	Black	100 ft.	11 oz.	60 in.
902787	Black	100 ft.	11 oz.	72 in.

Phifer® and Petscreen® are registered trademarks of Phifer Incorporated. Microban® is a registered trademark of Microban Products Company. GREENGUARD® is a registered trademark of GREENGUARD Environmental Institute.

Phifer® Aluminum Screening

Aluminum screening for all window, door and porch applications.

Fabric	Aluminum
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Item #	Color	Fabric Count	Put Up	Width
901885	Brite Bronze	18 x 14	100 ft.	60 in.
901881	Brite-Kote	18 x 16	100 ft.	60 in.

Phifer® is a registered trademark of Phifer Incorporated.



Covershade™

Covershade™ is a high quality knitted shade cloth. Applications include for protection of horticultural and agricultural crops, scaffold cover or site screening, wind break protection or car protection. It can also be used for over-the-road truck tarps and trash truck covers.

Sold in full rolls only.

Fabric	High Density Polyethylene (HDPE)
Warranty	10-Year Limited Warranty

Item #	Description	Color	Put Up	Weight	Width
902109	Heavy (80%)	Black	55 yd.	7 oz.	144 in.
902116	Light (50%)	White	55 yd.	5 oz.	144 in.
902117	Medium (70%)	Beige	55 yd.	6 oz.	144 in.
902119	Medium (70%)	Black	55 yd.	6 oz.	144 in.
902118	Medium (70%)	Dark Green	55 yd.	6 oz.	144 oz.
902120	Medium (70%)	White	55 yd.	6 oz.	144 in.

Covershade™ is a trademark of Polyfab USA.

Polyshield™ HDPE Sheeting

Polyshield™ is a high quality woven/coated HDPE reinforced fabric designed as a general-purpose cover for agricultural, horticultural, emergency and industrial purposes. Suitable for hay stack and cotton module covers, stationary machinery covers and disaster protection, it is also applicable in the RV and camping industries for tent flooring and protection covers. Polyshield is made from virgin resins, and uses only the best UV stabilizers to ensure that the fabric retains its flexibility and strength under the harsh rays of the sun.

Polyshield has excellent weldability and is easily joined with a commercial sewing machine. When using a tape welder, it is recommended that you use compatible welding tapes split from rolls of Polyshield.

Polyshield comes with a 3-year warranty covering premature breakdown as a result of exposure to the sun's UV rays.

Available in full rolls only.

Fabric	High Density Polyethylene (HDPE)
Warranty	3-Year Limited Warranty

Item #	Color	Fabric Count	Put Up	Weight	Width
971662	Beige	12 x 12 1500D	55 yd.	7.4 oz.	81 in.
971666	Blue	12 x 12 1500D	55 yd.	7.4 oz.	81 in.
971661	Dark Green	12 x 12 1500D	55 yd.	7.4 oz.	81 in.
971664	Silver / Green	12 x 12 1500D	55 yd.	7.4 oz.	81 in.
971663	Silver / White	12 x 12 1500D	55 yd.	7.4 oz.	81 in.
971660	White	12 x 12 1500D	55 yd.	7.4 oz.	81 in.
971665	Yellow	12 x 12 1500D	55 yd.	7.4 oz.	81 in.

Polyshield™ is a trademark of Polyfab USA.

## Solarpro™ Greenhouse Sheeting

Solarpro™ designed as a general-purpose cover for agricultural and horticultural purposes. Made from transparent HDPE with woven scrim, Solarpro is heavily UV stabilized and has a 5 year UV warranty.

This product is not suitable for applications where excessive flexing or ‘wind flap’ is present.

Sold in full rolls only.

Fabric	Woven High Density Polyethylene Scrim
Warranty	5-Year Limited Warranty

Item #	Color	Fabric Count	Put Up	Weight	Width
971673	Clear	10 x 10 1000D	55 yd.	5.3 oz.	106 in.
971672	Clear	10 x 10 1000D	55 yd.	5.3 oz.	106 in.
971671	Clear	10 x 10 1000D	109 yd.	5.3 oz.	72 in.
971670	Clear	10 x 10 1000D	55 yd.	5.3 oz.	72 in.

Solarpro™ is a trademark of Polyfab USA.

## Duvetyne

Blackout material commonly used by theaters, movie and video production facilities, stage supply shops, grip departments and other production companies. Fabric is dyed black and napped on one side. For interior uses such as scenery backdrops and curtains. 10 oz. version is commonly referred to as “commando.”

Laundering fabric may damage the finish.

Fabric	Cotton
FR Standards Met	NFPA 701, Test Method 1

Item #	Color	Put Up	Weight	Width
768498	Black	100 yd.	10 oz.	54 in.

## Scenery Fabrics – Non-Flame Resistant, Unbleached

For use in theaters, schools, radio and film studios, and by drama groups as curtains and backdrops.

Fabric	Cotton
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Item #	Description	Put Up	Weight	Width
642118	Unbleached Sheeting (Type 128)	300 yd.	4 oz.	108 in.

## High Temperature Cloth

An exceptionally rugged Aramid base fabric that stands up to high-heat environments without sacrificing strength, thermal protection or dimensional stability. Continuous protection to 600° F.

An excellent choice for heat containment blankets and shields.

Fabric	Aramid Base
Finish	GEA Coating

Item #	Style #	Put Up	Weight	Width
903025	FL1700	50 yd.	17 oz.	40 in.

## Silicone-Coated Fiberglass Cloth

High-temperature resistance and incombustible properties make Silicone-Coated Fiberglass Cloth suitable for removable insulation, pads, drop cloths, welding curtains, welding shields, welding, blankets, hose coverings, and gasketing.

Fabric	Fiberglass
Finish	Silicone Coated
FR Standards Met	Federal Test Method 191A/M5903.1

Item #	Style #	Color	Put Up	Weight	Width
903017	SGL1700	Gray	50 yd.	17 oz.	60 in.

## Polyester Filter Cloth

For use with dust and air filters, this polyester filter cloth is made from multifilament polyester twill. The economical filter fabric comes in a natural, off-white color.

Fabric	Multifilament Polyester Twill
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Item #	Style #	Color	Put Up	Weight	Width
999406	5038-2	Natural	100 yd.	5 oz.	53 in.



## Polypropylene Filter Fabric

Lightweight, strong polypropylene fabric with excellent resistance to most acids and alkalis. For swimming pool filters, air filters, dye production and dust collection. This cloth has a low density. Air permeability 20-30 CFM at 1/2 inch pressure drop.

Fabric		Polypropylene				
Item #	Style #	Color	Fabric Count	Put Up	Weight	Width
999412	7027-3-4 (7001)	Natural	76 x 60	100 yd.	4.1 oz.	54 in.

## Polypropylene Trampoline Fabric

For trampoline beds. Hot slit selvage; suggest folding under for finished hem.

Fabric		Polypropylene				
Item #	Style #	Color	Put Up	Weight	Width	
902889	24109	Black	100 yd.	7.6 oz.	155 in.	
902880	2045709/24119	Black	100 yd.	7.6 oz.	74 in.	

## Windscreen

A perfect backdrop and windscreen fabric made of polypropylene. Its porous construction is the ideal windbreak. Retains its size and color, and will not mildew. Has great strength and abrasion resistance. Is lightweight – just fasten to existing fences. Stays light – will not absorb water. Cuts the wind and shades the glare for a cooler court and better playing conditions.

Fabric		Polypropylene				
Item #	Style #	Description	Color	Put Up	Weight	Width
902915	21619	Closed Mesh	Black	100 yd.	5.6 oz.	75 in.
902871	21612	Closed Mesh	Green	100 yd.	5.6 oz.	75 in.
902895	20229	Open Mesh	Black	100 yd.	4.9 oz.	75 in.
902870	20812	Open Mesh	Green	100 yd.	4.9 oz.	75 in.

## Pooltex

A strong and durable fabric, specially designed for pool covers. Lightweight – easy to handle and fabricate. Resists alkalis, acids, sun's rays and mildew.

Fabric		Polypropylene Mesh				
Item #	Style #	Color	Put Up	Weight	Width	
902917	22509	Black / Black	150 yd.	4.2 oz.	73 in.	
902875	26502/22602	Black / Green	150 yd.	4.2 oz.	73 in.	
902874	24503	Blue / Black	150 yd.	4.2 oz.	73 in.	



## Architent®

A premium, vinyl laminated polyester tent fabric, formulated for superior abrasion, mildew and UV ray resistance.

Fabric		Vinyl Laminated Polyester				
FR Standards Met		California State Fire Marshal				
Item #	Description	Color	Put Up	Weight	Width	
973080	Blackout	White	180 yd.	16 oz.	61 in.	
973084	Blackout	White	100 yd.	16 oz.	98 in.	

Architent® is a registered trademark of Herculite Products Inc.

# Renter's Choice

Designed for canopy, tent, and indoor and outdoor banner jobs, this fabric is durable and easy to keep clean. Finished with a high gloss emboss, the fabric always looks great. Renter's Choice is resistant to water, mildew, rot and ultraviolet rays. Plus, it's heat sealable and flame retardant. The fabric can be digitally printed with either UV curable or solvent inkjet systems.

Fabric	Vinyl Laminated Polyester
Finish	High Gloss Emboss
FR Standards Met	California State Fire Marshal Title 19; NFPA 701 Test Method 2

Item #	Description	Color	Put Up	Weight	Width
968300		White	100 yd.	10 oz.	61 in.
968310		White	100 yd.	10 oz.	98 in.
968320		White	100 yd.	13 oz.	61 in.
968330		White	100 yd.	13 oz.	98 in.
968340	Blackout	White	100 yd.	16 oz.	61 in.



# Showtime® II

Showtime II provides excellent performance with a high gloss, ultra smooth surface and an extensive color offering.

Fabric	Vinyl Laminated Polyester
Finish	High Gloss Embossing
FR Standards Met	California State Fire Marshal Title 19; NFPA 701
Warranty	2-Year

Item #	Color	Put Up	Weight	Width
973337	Black	100 yd.	14 oz./ly.	61 in.
973312	Blue	100 yd.	14 oz./ly.	61 in.
973305	Bright Red	100 yd.	14 oz./ly.	61 in.
973339	Dark Blue	100 yd.	14 oz./ly.	61 in.
973299	Forest Green	100 yd.	14 oz./ly.	61 in.

Item #	Color	Put Up	Weight	Width
973335	Gray	100 yd.	14 oz./ly.	61 in.
973304	Lime Green	100 yd.	14 oz./ly.	61 in.
973309	Orange	100 yd.	14 oz./ly.	61 in.
973308	Pink	100 yd.	14 oz./ly.	61 in.
973302	Purple	100 yd.	14 oz./ly.	61 in.
973340	Red	100 yd.	14 oz./ly.	61 in.
973342	Sand	100 yd.	14 oz./ly.	61 in.
973303	Turquoise	100 yd.	14 oz./ly.	61 in.
973300	White	100 yd.	14 oz./ly.	61 in.
973338	Yellow	100 yd.	14 oz./ly.	61 in.

Showtime® is a registered trademark of Herculite Products Inc.

# Tex-TEX®

A lightweight, water resistant, mildew resistant and flame-retardant tenting fabric, designed for family camping.

Fabric	Texturized Polyester
FR Standards Met	CPAI-84; NFPA 701
Warranty	None

Item #	Style #	Color	Put Up	Weight	Width
767601	58601	Off White	150 yd.	4.25 oz.	61 in.

Tex-TEX® is a trademark of Graniteville Specialty Fabrics.



## General Care and Cleaning Instructions for Selected Fabrics

Trivantage® offers the finest awning and marine fabrics in the industry, but proper maintenance is important if maximum life of the end product is desired. The following are suggestions for care and cleaning of selected fabrics, but the general guidelines – keep dirt, leaves and debris from accumulating on the surface, wash regularly with water, avoid dragging on rough surfaces, etc. – pertain to all fabrics used in outdoor applications.

Note: Trivantage offers a complete line of cleaning and protection products for industrial fabrics. See pages 169-176 or visit [trivantage.com](http://trivantage.com) for more information.

### Tips on Care of Trivantage Awning Fabrics

The life and good looks of your awnings depend a great deal on the way you use them and how you care for them. Your awnings are made from either a cotton or synthetic fabric, either of which is the finest awning fabric available. We use only the best available water repellents and mildew retardants in Trivantage awning fabrics and you can rely on our experience and quality. Even the most durable materials require a certain amount of care, and fabric awnings are no exception. With only the minimum amount of attention, your awnings will remain bright and serviceable. The following do's and don'ts are presented to help you in the proper care of your awning. The life and beauty of an awning can be preserved by following these suggestions and general tips.

#### Some Do's

**Do** keep the awnings clean. This is the best protection against mildew. Even on mildew resistant fabric, mildew can grow on accumulated dirt or foreign materials which remain on the top or bottom surface and eventually damage or stain the fabric. We cannot be responsible for such damage.

**Do** wash down your awnings. If they are vinyl coated, brush lightly with a cloth or soft brush. You can use a mild soap, but rinse thoroughly and immediately.

**Do** hose your awning with clean water occasionally, every month or so. We recommend that you do this on a hot, sunny day.

**Do** keep the underside of your awnings clean by simply brushing with a clean household broom.

**Do** keep shrubbery and vines away from the awnings, as many bushes contain an acid which can be harmful to your awnings.

**Do** check the condition of awning frames. Rust is not likely to form, but if it should it might cause deterioration or staining of the fabric.

#### Some Don'ts

**Do Not** fold or roll the awning in cold temperature.

**Do Not** drag your awning across any abrasive surfaces, such as cement, asphalt, or the awning frame.

**Do Not** get insect spray on the fabric, as some solutions may impair the water repellency of the fabric and cause staining.

**Do Not** allow water to stand on the awnings, causing pocketing and possible stretching.

**Do Not** overlook small rips or tears. If a sharp object punctures the fabric, it should be repaired.

**Do Not** wash your awnings with a harsh or strong solution, or scrub too vigorously with an abrasive cleaner.

**Do Not** force or yank your awnings when raising or lowering them. Do it gradually.

**Do Not** cook food or have fires beneath or around the awning.

**Do Not** store awnings when damp or wet. Mildew is a fabric's greatest foe and is caused by dampness. Mildew may grow on the surface of a damp awning and permanently stain the fabric.

**Do Not** permit leaves, twigs, dirt etc. to remain on your awnings as they might cause a staining of the fabric.

Trivantage® is a registered trademark of Glen Raven, Inc.



## Aqualon® Edge

### 7-Year Limited Warranty

Aqualon® Edge is warranted for a period of seven years (7) from the date of the installation in a marine cover, top or enclosure end uses. The warranty protects the end user from excessive loss of color or strength from normal exposure conditions including sunlight, mildew, rot and normal atmospheric chemicals which may render the fabric unserviceable. This warranty does not cover seam leakage, damage from Acts of God, vandalism, neglect or improper cleaning and improper use. Please see your Trivantage®, LLC representative for cleaning instructions.

In the unlikely event of fabric failure during the warranty period Graniteville Specialty Fabrics will supply the end product fabricator or Trivantage, LLC new fabric free of charge equal to the fabric used in the end use item. Labor and installation are not covered by this warranty. Graniteville Specialty Fabrics reserves the right to inspect the fabric or made up item of any warranty claim.

**Except for the explicit warranties, herein, no other warranty, expressed or implied, including any implied warranty of merchantability of fitness for a particular use is made by Graniteville Specialty Fabrics. In no event shall Graniteville Specialty Fabrics be liable for damages to any person or property, or any consequential or incidental damages.**

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of consequential or incidental damage, so, the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights and you may have other rights which vary from state to state.

To get service, call the dealer from whom you purchased the product. The dealer will inspect the installation and process the claim through Trivantage, LLC and Graniteville Specialty Fabrics.

#### Graniteville Specialty Fabrics

Aqualon® is a registered trademark of Glen Raven, Inc.

## Aqualon® Edge Soft

### 7-Year Limited Warranty on Fabric Face

Aqualon® Edge Soft is warranted for a period of seven years (7) from the date of the installation in a marine cover, top or enclosure end uses. The warranty protects the end user from excessive loss of color or strength from normal exposure conditions including sunlight, mildew, rot and normal atmospheric chemicals which may render the fabric unserviceable. This warranty does not cover seam leakage, soft backing, damage from Acts of God, vandalism, neglect or improper cleaning and improper use. Please see your Trivantage®, LLC representative for cleaning instructions.

In the unlikely event of fabric failure during the warranty period Trivantage, LLC will supply the end product fabricator with new fabric free of charge equal to the fabric used in the end use item. Labor and installation are not covered by this warranty. Trivantage, LLC reserves the right to inspect the fabric or made up item of any warranty claim.

**Except for the explicit warranties, herein, no other warranty, expressed or implied, including any implied warranty of merchantability of fitness for a particular use is made by Trivantage, LLC. In no event shall Trivantage, LLC be liable for damages to any person or property, or any consequential or incidental damages.**

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of consequential or incidental damage, so, the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights and you may have other rights which vary from state to state.

To get service, call the dealer from whom you purchased the product. The dealer will inspect the installation and process the claim through Trivantage, LLC.

#### Graniteville Specialty Fabrics

Aqualon® is a registered trademark of Glen Raven, Inc.

## AwnTex® 70 and 160

### 5-Year

#### EXTENDED LIMITED WARRANTY

**What Is Covered?** This warranty covers the fabric becoming nonfunctional because of loss of dimensional stability from exposure conditions including sunlight, mildew, rot and normal atmospheric conditions. It does not cover discoloration from atmospheric pollution or other debris.

**How Long Is The Coverage Period?** The warranty coverage runs for five (5) years from the date of original installation.

**What Will Phifer Do?** Phifer Incorporated will provide new fabric, free, to replace the non-functioning fabric. This warranty does not cover the cost of labor or other consequential or incidental expenses.

**How Can You Get Service?** Call the dealer from whom you purchased the product. They will contact Trivantage, LLC who will secure the new material from Phifer and ship to the dealer. This warranty is valid only if a sample of the fabric, with defects, is submitted with a photograph of the installation and an invoice showing the item and date purchased.

This is the complete and only warranty provided for AwnTex brand fabric. There are no other warranties, expressed or implied, for this product.

#### Phifer Inc.

AwnTex® is a registered trademark of Glen Raven, Inc.

## Architec 400®

### 15-Year Against UV Degradation

#### UV PERFORMANCE WARRANTY FOR ARCHITEC 400®

ARCHITEC 400® ("fabric") is a unique and innovative Extra Heavy Duty knitted shade cloth designed for architectural sails and commercial shade structures.

#### Warranty

Polyfab USA LLC ("Polyfab") warrants to the initial purchaser that the fabric will not suffer from abnormal deterioration from ultra violet exposure for a period of 15 years from the date of installation. The term abnormal deterioration means deterioration exceeding 10% of the fabric's original strength for each year over the 15-year warranty period, and does not include normal wear and tear. If the fabric does suffer from abnormal deterioration during the 15-year warranty period, Polyfab will, at its option either replace the fabric or supply equivalent fabric, or pay the cost of replacing the fabric or of acquiring equivalent fabric on the following pro-rata basis:

1-5 years 100% of the original fabric purchase price

6-10 years 50% of the original fabric purchase price

11-15 years 25% of the original fabric purchase price

POLYFAB UNDERTAKES NO RESPONSIBILITY FOR THE QUALITY OF THE FABRIC EXCEPT AS OTHERWISE PROVIDED HEREIN. THERE IS NO IMPLIED WARRANTY THAT THE FABRIC SHALL BE MERCHANTABLE. POLYFAB ASSUMES NO RESPONSIBILITY THAT THE FABRIC WILL BE FIT FOR ANY PARTICULAR PURPOSE FOR WHICH YOU MAY BE BUYING THE FABRIC, EXCEPT AS OTHERWISE PROVIDED HEREIN. THERE IS NO IMPLIED WARRANTY THAT THE FABRIC SHALL BE FIT FOR ANY PARTICULAR PURPOSE. YOU ACKNOWLEDGE THAT YOU ARE NOT RELYING ON POLYFAB'S SKILL OR JUDGMENT TO SELECT OR FURNISH THE FABRIC SUITABLE FOR ANY PARTICULAR PURPOSE AND THAT THERE IS NO WARRANTY WHICH EXTENDS BEYOND THAT PROVIDED HEREIN.

#### Exclusions and Product Disclaimers

This warranty does not cover, and Polyfab is not liable for, deterioration of fabric occurring due to any of the following circumstances:

- Exposure to pollution, chemicals, solvents, cleaning agents or other substances that are harmful to the performance of the fabric.
- Faulty installation of the fabric or faulty design or manufacture of any structure to which the fabric is attached.
- Improper storing, handling, bracing, use of the fabric or use contrary to the specifications for the fabric.
- Outdoor fabrics are subject to harsh conditions, and degradation over time is to be expected. Architec 400 is supported with a 15-year UV warranty. During this period the fabric will remain serviceable and fit for purpose. Color fading is normal over time. Colors containing red and yellow pigments have a tendency to fade more than others. **This is not a loss of strength/ breakdown caused by UV exposure and is not covered by the product warranty.**
- Minor color variation from fabric samples.
- Minor visual imperfection due to the manufacturing processes.
- The negligent act or omission of any person.
- Misuse, neglect or abuse of the fabric.
- Wind flap is the major cause of premature breakdown in any quality outdoor fabric. It is therefore critical that the Architec 400 be installed firm and tight and maintained in a firm condition. **Fabric that is allowed to flap and cause rubbing and abrasion as a result of excessive and continual wind flap or storm damage, on structural poles and support wires is deemed to be mechanical breakdown and is not covered by the UV warranty.**
- Architec 400 should be supported by using appropriate strength poles and footings as determined by a professional structural engineer, and fabricated and installed by a qualified contractor in accordance with local building codes.
- Technical testing information supplied by Polyfab is sourced from third-party testing authorities, and tolerances may vary by as much as 10%.

#### Limitation of Liability

Polyfab's obligations and liabilities are expressly and exclusively limited to those set forth herein. POLYFAB SHALL NOT BE LIABLE FOR DIRECT, INDIRECT, INCIDENTAL, CONSEQUENTIAL, OR SPECIAL DAMAGES, INCLUDING LOSS OF PROFITS, OR OTHER COMMERCIAL LOSS, AND INCLUDING CLAIMS BASED ON NEGLIGENCE OR STRICT LIABILITY, EXCEPT AS OTHERWISE PROVIDED FOR HEREIN. NOTWITHSTANDING THE FOREGOING, ANY LIABILITY RELATED TO THE FABRIC SHALL BE LIMITED TO THE PURCHASE PRICE OF THE FABRIC.

#### Claims Procedure

All claims must be made in writing, within 30 days from the date upon which the defect became known, to Polyfab USA LLC, 1601 N. Sepulveda Blvd. #392, Manhattan Beach, CA 90266. Claims must be supported by a sample of the defective fabric together with proof purchase, including the date and location of fabric purchase.

#### POLYFAB AUSTRALIA Pty. Ltd.

Architec 400® is a registered trademark of Polyfab USA.

## Commercial FR 300

### 10-Year Against UV Degradation

#### Gale Pacific Limited

Product Warranty and Limitation of Liability

Commercial FR 300 is a high quality knitted shade fabric designed for tension structures, awnings, and shade covers – where a level of flame retardancy is required. It is manufactured using high quality ingredients that have been selected for their resistance to ultra violet light degradation. The product is manufactured in China by Gale Pacific Limited ACN 082 263 778

("Gale Pacific"), an ISO9002 accredited company.

#### Warranty

If, as a direct result of ultra-violet exposure, this product cracks, splits or tears ("defect") within 10 years after the date on which the product is purchased from Gale Pacific or an authorized distributor or agent of Gale Pacific, Gale Pacific will, at its option, replace the fabric component of the product (but not any other component) free of charge or refund the cost of such replacement.

This warranty is subject to the following conditions and limitations:

1. All claims under this warranty must be made in writing addressed to Gale Pacific Limited, PO Box 892, Braeside, Victoria, 3195, Australia or, if the product was purchased in North America, to Gale Pacific Inc, PO Box 162625, Altamonte Springs, Florida 32716 – 2625, USA or, if the product was purchased in the Middle East, to Gale Pacific FZE, PO Box 17696, Jebel Ali, Dubai, United Arab Emirates. All claims must be accompanied by a sample of the fabric for laboratory testing and proof of place and date of purchase of the product.
  2. Gale Pacific will not be liable for any claim made under this warranty in respect of any product in any of the following circumstances:
    - If the defect is contributed to or caused by any improper use of the product or usage of the product for purposes other than that for which the product was designed or intended.
    - If the defect occurs wholly or partly as a result of any act or omission of any person other than Gale Pacific.
    - If the product has been subjected to misuse, neglect, accident or abuse.
    - If the product is altered or modified in any way unless such modification has been approved in writing by Gale Pacific.
    - If the product is erected, installed, or used in violation of, or in a manner that is inconsistent with, instructions or warnings furnished by Gale Pacific.
  3. This warranty does not cover:
    - Color fading of the product (even if due to exposure of the product to ultra-violet rays) or a deterioration in the chemical composition of the fabric other than a deterioration in the chemical composition of the fabric that occurs as a direct result of a defect; or
    - Any damage to the product caused or contributed to by exposing the product to chemicals (including chlorine, halogens and organic solvents), highly acidic substances (with a pH less than 4), placing the product near an open flame (including flames from a barbecue), tensioning the product beyond its tear and tensile capabilities or mechanical friction.
- Note:** Shade sails or structures that are greater than 1.8 metres above a swimming pool should not be adversely affected by normal chlorine levels in a swimming pool. Direct contact with chlorine and other halogens can lead to degradation of the UV stabilizers and will negate the warranty.
4. This warranty is not transferable, and applies only to the initial purchaser of the installed product.
  5. This warranty applies to the fabric only.

In addition to the above warranty, the Trade Practices Act 1974 (Cth) and other state and territory legislation may imply warranties or conditions or impose liability on Gale Pacific in relation to the product or its supply which cannot, or can only to a limited extent, be excluded, restricted or modified. Except for those implied warranties or conditions and such liability, and for the warranty described above:

- All warranties and conditions (whether express or implied, statutory or otherwise) relating to the product or its supply are expressly excluded; and
- Gale Pacific will not be liable for any loss or damage suffered by any person (including the purchaser of the product) in any way relating to or arising from the product or its use (including loss or damage arising from the negligence of, or contributed to by, Gale Pacific).

## FABRIC WARRANTY INFORMATION

If liability for breach by Gale Pacific of a warranty or condition or any other liability imposed on Gale Pacific by legislation which cannot be excluded may be limited, Gale Pacific's liability is limited to the extent permitted by law, and if liability may be limited in any one of a number of ways, Gale Pacific's liability is limited in any one of the permitted ways chosen by Gale Pacific in its absolute discretion.

Gale Pacific Pty. Ltd.

## Commercial 95® 340

### 10-Year Against UV Degradation

Commercial 95® 340 is a high quality knitted shade fabric designed for tension structures, awnings, and shade covers. It is manufactured using high quality ingredients that have been selected for their resistance to ultra violet light degradation. The product is manufactured in Australia by Gale Pacific Limited ACN 082 263 778 ("Gale Pacific"), an ISO9002 accredited company.

#### Warranty

If, as a direct result of ultra-violet exposure, this product cracks, splits or tears ("defect") within 10 years after the date on which the product is purchased from Gale Pacific or an authorized distributor or agent of Gale Pacific, Gale Pacific will, at its option, replace the fabric component of the product (but not any other component) free of charge or refund the cost of such replacement. This warranty is subject to the following conditions and limitations:

1. All claims under this warranty must be made in writing addressed to Gale Pacific Limited, PO Box 892, Braeside, Victoria, 3195, Australia or, if the product was purchased in North America, to Gale Pacific USA, 285 West Central Parkway, Suite 1704, Altamonte Springs, Florida 32714, or, if the product was purchased in the Middle East, to Gale Pacific FZE, PO Box 17696, Jebel Ali, Dubai, United Arab Emirates. All claims must be accompanied by a sample of the fabric for laboratory testing and proof of place and date of purchase of the product.
2. Gale Pacific will not be liable for any claim made under this warranty in respect of any product in any of the following circumstances:
  - If the defect is contributed to or caused by any improper use of the product or usage of the product for purposes other than that for which the product was designed or intended.
  - If the defect occurs wholly or partly as a result of any act or omission of any person other than Gale Pacific.
  - If the product has been subjected to misuse, neglect, accident or abuse.
  - If the product is altered or modified in any way unless such modification has been approved in writing by Gale Pacific.
  - If the product is erected, installed, or used in violation of, or in a manner that is inconsistent with, instructions or warnings furnished by Gale Pacific.
3. This warranty does not cover:
  - Color fading of the product (even if due to exposure of the product to ultra-violet rays) or a deterioration in the chemical composition of the fabric other than a deterioration in the chemical composition of the fabric that occurs as a direct result of a defect; or
  - Any damage to the product caused or contributed to by exposing the product to chemicals (including chlorine, halogens and organic solvents), highly acidic substances (with a pH less than 4), placing the product near an open flame (including flames from a barbecue), tensioning the product beyond its tear and tensile capabilities or mechanical friction.

**Note:** Shade sails or structures that are greater than 1.8 meters above a swimming pool should not be adversely affected by normal chlorine levels in a swimming pool. Direct contact with chlorine and other halogens can lead to degradation of the UV stabilizers and will negate the warranty.

4. This warranty is not transferable, and applies only to the initial purchaser of the installed product.

5. This warranty applies to the fabric only.

In addition to the above warranty, the Trade Practices Act 1974 (Cth) and other state and territory legislation may imply warranties or conditions or impose liability on Gale Pacific in relation to the product or its supply, which cannot, or can only to a limited extent, be excluded, restricted or modified. Except for those implied warranties or conditions and such liability, and for the warranty described above:

- All warranties and conditions (whether express or implied, statutory or otherwise) relating to the product or its supply are expressly excluded; and
- Gale Pacific will not be liable for any loss or damage suffered by any person (including the purchaser of the product) in any way relating to or arising from the product or its use (including loss or damage arising from the negligence of, or contributed to by, Gale Pacific).

If liability for breach by Gale Pacific of a warranty or condition or any other liability imposed on Gale Pacific by legislation which cannot be excluded may be limited, Gale Pacific's liability is limited to the extent permitted by law, and if liability may be limited in any one of a number of ways, Gale Pacific's liability is limited in any one of the permitted ways chosen by Gale Pacific in its absolute discretion.

Gale Pacific Pty. Ltd.

Commercial 95® is a registered trademark of Gale Pacific Ltd. of Australia

## Commercial Heavy 430

### 15-Year Against UV Degradation

#### Commercial® Heavy 430 Knitted Shadecloth

#### GALE Pacific Limited

Product Warranty and Limitation of Liability

Commercial® Heavy 430 is a high quality knitted shade fabric designed for tension structures, awnings, and shade covers. It is manufactured using high quality ingredients that have been selected for their resistance to ultra violet light degradation. The product is manufactured in China by GALE Pacific Limited ACN 082 263 778 ("GALE Pacific"), an ISO9002 accredited company.

#### Warranty

If, as a direct result of ultra-violet exposure, this product cracks, splits or tears ("defect") within 15 years after the date on which the product is purchased from GALE Pacific or an authorised distributor or agent of GALE Pacific, GALE Pacific will, at its option, replace the fabric component of the product (but not any other component) free of charge or refund the cost of such replacement. This warranty is subject to the following conditions and limitations:

1. All claims under this warranty must be made in writing addressed to GALE Pacific Limited, PO Box 892, Braeside, Victoria, 3195, Australia or, if the product was purchased in North America, to GALE Pacific Inc, PO Box 951509, Lake Mary, Florida 32795 – 1509, USA, if the product was purchased in the Middle East, to GALE Pacific FZE, PO Box 17696, Jebel Ali, Dubai, United Arab Emirates, or if the product was purchased in Europe or Asia, to Gale Pacific No. 777 Hengshan W. Road, Beilun, Ningbo, China 315800. All claims must be accompanied by a sample of the fabric for laboratory testing and proof of place and date of purchase of the product.
2. GALE Pacific will not be liable for any claim made under this warranty in respect of any product in any of the following circumstances:
  - If the defect is contributed to or caused by any improper use of the product or usage of the product for purposes other than that for which the product was designed or intended.
  - If the defect occurs wholly or partly as a result of any act or omission of any person other than GALE Pacific.



- If the product has been subjected to misuse, neglect, accident or abuse.
- If the product is altered or modified in any way unless such modification has been approved in writing by GALE Pacific.
- If the product is erected, installed, or used in violation of, or in a manner that is inconsistent with, instructions or warnings furnished by GALE Pacific.

3. This warranty does not cover:

- Colour fading of the product (even if due to exposure of the product to ultra-violet rays) or a deterioration in the chemical composition of the fabric other than a deterioration in the chemical composition of the fabric that occurs as a direct result of a defect; or
- Any damage to the product caused or contributed to by exposing the product to chemicals (including chlorine, halogens and organic solvents), highly acidic substances (with a pH less than 4), placing the product near an open flame (including flames from a barbecue), tensioning the product beyond its tear and tensile capabilities or mechanical friction.

Note: Shade sails or structures that are greater than 1.8 metres above a swimming pool should not be adversely affected by normal chlorine levels in a swimming pool. Direct contact with chlorine and other halogens can lead to degradation of the UV stabilisers and will negate the warranty.

4. This warranty is not transferable, and applies only to the initial purchaser of the installed product.

5. This warranty applies to the fabric only.

In addition to the above warranty, the Trade Practices Act 1974 (Cth) and other state and territory legislation may imply warranties or conditions or impose liability on GALE Pacific in relation to the product or its supply which cannot, or can only to a limited extent, be excluded, restricted or modified. Except for those implied warranties or conditions and such liability, and for the warranty described above:

- All warranties and conditions (whether express or implied, statutory or otherwise) relating to the product or its supply are expressly excluded; and
- GALE Pacific will not be liable for any loss or damage suffered by any person (including the purchaser of the product) in any way relating to or arising from the product or its use (including loss or damage arising from the negligence of, or contributed to by, GALE Pacific).

If liability for breach by GALE Pacific of a warranty or condition or any other liability imposed on GALE Pacific by legislation which cannot be excluded may be limited, GALE Pacific's liability is limited to the extent permitted by law, and if liability may be limited in any one of a number of ways, GALE Pacific's liability is limited in any one of the permitted ways chosen by GALE Pacific in its absolute discretion.

Gale Pacific Pty. Ltd.

## Comshade® Xtra

### 15-Year Limited Warranty

#### LIMITED WARRANTY FOR COMSHADE® XTRA

COMSHADE® XTRA ("fabric") is a unique and innovative Extra Heavy Duty knitted shade cloth designed for architectural shade sails and commercial shade structures.

#### Limited Warranty

Polyfab USA LLC ("Polyfab") warrants to the initial purchaser of the fabric that the fabric will not suffer from abnormal deterioration from ultra violet exposure for a period of 15 years from the date of installation. The term abnormal deterioration means deterioration exceeding 10% of the fabric's original strength for each year over the 15-year warranty period, and does not include normal wear and tear. If the fabric does suffer from abnormal deterioration during the 15-year warranty period, Polyfab will, at its option, either replace

the fabric or supply equivalent fabric, or pay to the initial purchaser the cost of replacing the fabric or of acquiring equivalent fabric on the following pro-rata basis:

1-5 years 100% of the original fabric purchase price

6-10 years 50% of the original fabric purchase price

11-15 years 25% of the original fabric purchase price

POLYFAB UNDERTAKES NO RESPONSIBILITY FOR THE QUALITY OF THE FABRIC EXCEPT AS OTHERWISE PROVIDED HEREIN. THERE IS NO IMPLIED WARRANTY THAT THE FABRIC SHALL BE MERCHANTABLE. POLYFAB ASSUMES NO RESPONSIBILITY THAT THE FABRIC WILL BE FIT FOR ANY PARTICULAR PURPOSE FOR WHICH YOU MAY BE BUYING THE FABRIC, EXCEPT AS OTHERWISE PROVIDED HEREIN. THERE IS NO IMPLIED WARRANTY THAT THE FABRIC SHALL BE FIT FOR ANY PARTICULAR PURPOSE. YOU ACKNOWLEDGE THAT YOU ARE NOT RELYING ON POLYFAB'S SKILL OR JUDGMENT TO SELECT OR FURNISH THE FABRIC SUITABLE FOR ANY PARTICULAR PURPOSE AND THAT THERE IS NO WARRANTY WHICH EXTENDS BEYOND THAT PROVIDED HEREIN.

#### Exclusions and Product Disclaimers

This limited warranty does not cover, and Polyfab is not liable for, abnormal deterioration of fabric occurring due to any of the following circumstances:

- Exposure to pollution, chemicals, solvents, cleaning agents or other substances that are harmful to the performance of the fabric.
- Faulty installation of the fabric or faulty design or manufacture of any structure to which the fabric is attached.
- Improper storing, handling, bracing, use of the fabric or use contrary to the specifications for the fabric.
- Color fading. Color fading is normal over time. Fabric colors containing red or yellow pigments have a tendency to fade more than others. Color Fading is not abnormal deterioration or a loss of strength/breakdown and is not covered by this warranty.
- Minor color variation from fabric samples.
- Minor visual imperfection due to the manufacturing processes.
- The negligent act or omission of any person.
- Misuse, neglect or abuse of the fabric.
- During installation, the fabric should not be subject to "pre-stressed" loading in excess of 20%.
- Wind flap and storm damages are major causes of abnormal deterioration and premature breakdown in any quality outdoor fabric. It is therefore critical that the fabric be installed firm and tight and maintained in a firm condition. Fabric that is allowed to flap and cause rubbing and abrasion as a result of excessive and continual wind flap or storm damage on structural poles and support wires is mechanical breakdown and not covered by this warranty.
- The fabric should be supported by using appropriate strength poles and footings as determined by a professional structural engineer, and fabricated and installed by a qualified contractor in accordance with local building codes.
- Technical testing information supplied by Polyfab is sourced from third-party testing authorities, and tolerances may vary by as much as 10%.

#### Limitation of Liability

Polyfab's obligations and liabilities are expressly and exclusively limited to those set forth herein. EXCEPT AS OTHERWISE PROVIDED FOR HEREIN, POLYFAB SHALL NOT BE LIABLE FOR DIRECT, INDIRECT, INCIDENTAL, CONSEQUENTIAL, OR SPECIAL DAMAGES, INCLUDING LOSS OF PROFITS OR OTHER COMMERCIAL LOSSES, INCLUDING CLAIMS BASED ON NEGLIGENCE OR STRICT LIABILITY. IN THE EVENT POLYFAB IS FOUND TO BE LIABLE FOR ANY DAMAGE OR LOSS RELATED TO THE FABRIC, SUCH LIABILITY SHALL BE LIMITED TO THE ORIGINAL PURCHASE PRICE OF THE FABRIC.

## Claims Procedure

All claims under this limited warranty must be made in writing, within 30 days from the date upon which the defect became known to the initial purchaser, to Polyfab USA LLC, 1601 N. Sepulveda Blvd. #392, Manhattan Beach, CA 90266. Claims must be supported by a sample of the defective fabric together with proof of purchase, including the date and location of fabric purchase, and photos of the finished installation.

## POLYFAB AUSTRALIA Pty. Ltd.

Comshade® is a registered trademark of Polyfab USA LLC

# Comtex®

## 10-Year Against UV Degradation

### UV PERFORMANCE WARRANTY FOR POLYTEX® & COMTEX®

POLYTEX® and COMTEX® EXTRA HEAVY DUTY KNITTED SHADECLOTH ("fabric") are premium fabrics designed for use in shade structures and shade sails.

### Warranty

Polyfab USA LLC ("Polyfab") warrants to the initial purchaser that the fabric will not suffer from abnormal deterioration from ultra violet exposure for a period of 10 years from the date of installation. The term abnormal deterioration means the fabric has mechanically failed during the actual application in the shading environment intended for such fabric. Such abnormal deterioration is defined by a measure of loss of tensile and tear strength (both in warp and weft direction) that is greater than 5% per annum; if such degradation of tensile strength has been caused by ultra violet radiation and the chemical processes that ultra violet radiation initiates in the plastics and the additives alone. The maximum working load of the fabric should not exceed 60% of the break strength in both warp and weft directions. This warranty does not include normal fading or wear and tear. Fading, by itself, is not an indication of loss of strength due to ultra violet radiation. If the fabric does suffer from abnormal deterioration during the 10-year warranty period, Polyfab will, at its option either replace the fabric or supply equivalent fabric, or pay the cost of replacing the fabric or of acquiring equivalent fabric.

POLYFAB UNDERTAKES NO RESPONSIBILITY FOR THE QUALITY OF THE FABRIC EXCEPT AS OTHERWISE PROVIDED HEREIN. THERE IS NO IMPLIED WARRANTY THAT THE FABRIC SHALL BE MERCHANTABLE. POLYFAB ASSUMES NO RESPONSIBILITY THAT THE FABRIC WILL BE FIT FOR ANY PARTICULAR PURPOSE FOR WHICH YOU MAY BE BUYING THE FABRIC, EXCEPT AS OTHERWISE PROVIDED HEREIN. THERE IS NO IMPLIED WARRANTY THAT THE FABRIC SHALL BE FIT FOR ANY PARTICULAR PURPOSE. YOU ACKNOWLEDGE THAT YOU ARE NOT RELYING ON POLYFAB'S SKILL OR JUDGMENT TO SELECT OR FURNISH THE FABRIC SUITABLE FOR ANY PARTICULAR PURPOSE AND THAT THERE IS NO WARRANTY, WHICH EXTENDS BEYOND THAT PROVIDED HEREIN.

### Exclusions

This warranty does not cover, and Polyfab is not liable for, deterioration of fabric occurring due to any of the following circumstances:

- Exposure to pollution, chemicals, solvents, cleaning agents or other substances that are harmful to the performance of the fabric.
- Faulty installation of the fabric or faulty design or manufacture of any structure to which the fabric is attached.
- Improper storing, handling, bracing, use of the fabric or use contrary to the specifications for the fabric.
- Color fading or variation due to ultraviolet exposure.
- Minor color variation from fabric samples.
- Minor visual imperfection due to the manufacturing processes.
- The negligent act or omission of any person.
- Misuse, neglect or abuse of the fabric.

## Limitation of Liability

Polyfab's obligations and liabilities are expressly and exclusively limited to those set forth herein. POLYFAB SHALL NOT BE LIABLE FOR DIRECT, INDIRECT, INCIDENTAL, CONSEQUENTIAL, OR SPECIAL DAMAGES, INCLUDING LOSS OF PROFITS, OR OTHER COMMERCIAL LOSS, AND INCLUDING CLAIMS BASED ON NEGLIGENCE OR STRICT LIABILITY, EXCEPT AS OTHERWISE PROVIDED FOR HEREIN. NOTWITHSTANDING THE FOREGOING, ANY LIABILITY RELATED TO THE FABRIC SHALL BE LIMITED TO THE PURCHASE PRICE OF THE FABRIC.

## Claims Procedure

All claims must be made in writing, within 30 days from the date upon which the defect became known, to Polyfab USA LLC, 1601 N. Sepulveda Blvd. #392, Manhattan Beach, CA 90266. Claims must be supported by a sample of the defective fabric together with proof purchase, including the date and location of fabric purchase.

## POLYFAB AUSTRALIA Pty. Ltd.

Comtex® and Polytex® are registered trademarks of Polyfab USA LLC.

# Cool Glo™ / Northstar®

## 5-Year

### 5-Year Limited Warranty

Izumi America, Inc. warrants that VT-1700FM (Cool Glo™ / Northstar®) fabric when used in an awning or a back-lit awning application will be free from defects in material and workmanship to include excessive change in color, loss of strength or mildew staining for a period of five (5) years from the date of installation.

If during the first twelve (12) months from date of installation, an awning fabricated using VT-1700FM exhibits excessive change in color, loss of strength or mildew staining to the extent the awning becomes ineffective for its intended purpose as a protective cover or a display when viewed from a distance of fifty (50) feet, the fabric will be replaced without charge.

From the thirteenth (13th) month to the sixtieth (60th) month, the fabric will be replaced at the then current price. An allowance equal to 1/60th of the current price will be deducted for each month still remaining in the warranty period.

This warranty does not cover damage by water run-off, water accumulation, chemicals, airborne particulate, accumulation of dirt or bird droppings. This warranty does not cover damage resulting from mishandling, poor or improper installation, poor or improper maintenance or willful neglect.

Liability under this warranty is limited to the replacement of fabric as stated herein and no liability for any direct or consequential loss is assumed.

**NO WARRANTY OF MERCHANTABILITY, WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR OTHER WARRANTY IS EXPRESSED OR IMPLIED OTHER THAN AS SET FORTH IN THIS LIMITED WARRANTY. NO REMEDIES ARE AVAILABLE OTHER THAN THE REMEDIES SET FORTH IN THIS LIMITED WARRANTY. THIS WARRANTY IS GIVEN IN LIEU OF ALL WARRANTIES, EXPRESSED OR IMPLIED, AND CONSTITUTES THE SOLE WARRANTY FOR VT-1700FM.**

## Izumi America, Inc.

Cool Glo™ is a trademark of Glen Raven, Inc.  
Northstar® is a registered trademark of Glen Raven, Inc.

# Cooley-Brite® / Cooley-Brite® Lite

## 8-Year

### 8-Year Limited Warranty\*

Cooley Sign & Digital Products (CSDP) warrants to its customer, an electrical sign company engaged in fabricating and furnishing signs to various businesses, that standard colors of COOLEY- BRITE® and COOLEY-BRITE® LITE, when used as components for internally illuminated (90° vertical exposure application) displays will not fade excessively or undergo excessive color degradation or

mildew staining to the extent that the sign becomes ineffective for its intended advertising or identification purpose when viewed at normal distance for a period of eight (8) years. If the material does not perform under the above conditions, (CSDP) will supply to the sign company sufficient materials to produce a new duplicate face at the then current price and will grant an allowance equal to 1/60th of the original purchase price for each month remaining in the initial eight-year period of use.

If the sign face is properly installed and maintained, and within the first eight (8) years from the date of purchase of materials, said face should be destroyed or severely damaged by a "blowout" (defined as a separation of a sign face from its cabinet due to wind pressure which does not affect the display cabinet or structure), and when such "blowout" is caused solely and completely by failure of CSDP sign face materials, and not in whole or part by improper workmanship, installation, materials, nor bending or twisting of the display cabinet, attachment devices, or structure, nor to the vandalism or malicious mischief, hurricanes, tornadoes, gales or other acts of God, CSDP will furnish to the sign company sufficient materials to produce a new duplicate face at then current price and will grant an allowance equal to 1/60th of the original purchase price for each month remaining in the initial eight-year period of use.

Cooley Sign & Digital Products further warrants that approved pressure sensitive vinyl\* when applied to COOLEY- BRITE® and COOLEY-BRITE® LITE, will not peel off under normal weathering conditions for a period of eight years. If the pressure sensitive vinyl should peel off under the above conditions, Cooley Sign & Digital Products will supply new materials to restore the sign at then current prices and will grant an allowance 1/60th of the original purchase price for each month remaining in the initial eight year period of use.

The foregoing is not applicable to sign faces which have been damaged by chemicals, airborne particle or dirt, bird droppings, or water run-off, nor to the sign faces damaged by willful neglect or negligent mishandling, nor to sign faces which excessively fade or discolor due to use of non-recommended decorating techniques.

CSDP's liability under the warranty is limited to replacement as stated herein and CSDP will have no liability for any indirect or consequential expenses or losses. No replacement will be made for any sign face which has been in use for more than the initial eight-year period.

This warranty is given in lieu of all other warranties expressed or implied and constitutes CSDP's sole eight (8) year warranty for COOLEY- BRITE® and COOLEY-BRITE® LITE, for sign usage.

#### **COOLEY-BRITE® AND COOLEY-BRITE® LITE FOR BACKLIT AWNINGS**

Cooley Sign & Digital Products (CSDP) warrants to its customers that standard colors of COOLEY- BRITE® and COOLEY-BRITE® LITE when used in a backlit awning application, and when fabricated, installed and maintained according to instructions, will not fade excessively or undergo excessive color degradation or mildew staining to the extent that the awning becomes ineffective for its intended advertising or identification purpose when viewed at a normal distance for a period of eight (8) years. If the material does not perform under the above conditions, CSDP will supply to the awning company sufficient COOLEY- BRITE® and COOLEY-BRITE® LITE material to produce a new duplicate awning at the then current price and will grant an allowance equal to 1/60th of the original purchase price for each month remaining in the initial eight year period of use. Cooley Sign & Digital Products further warrants that approved pressure sensitive vinyl when applied to COOLEY- BRITE® and COOLEY-BRITE® LITE will not peel off under normal weathering conditions for a period of five years. If the pressure sensitive vinyl should peel off under the above conditions, Cooley Sign & Digital Products will supply new material to restore the awning at the ten current prices and will grant an allowance equal to 1/60th of the original purchase price of each month remaining in the initial five year period of use.

The foregoing is not applicable to awnings which have been damaged by chemicals, airborne particles or dirt, bird droppings, or water run-off, nor to awnings damaged by willful neglect or negligent mishandling, nor to awnings which excessively fade or discolor due to use of non-recommended decorating techniques. CSDP's liability under the warranty is limited to replacement as stated herein and CSDP will have no liability for any indirect or consequential expenses or losses. No replacement will be made for any awning which has been in use for more than the initial five year period.

This warranty is given in lieu of all other warranties expressed or implied and constitutes CSDP's sole eight (8) year warranty for COOLEY- BRITE® and COOLEY-BRITE® LITE when used for backlit awnings.

\* 8-year warranty period begins with the date of the fabrication, but it will not extend more than 8 1/2 years from the date of manufacture by CSDP. Shelf-life is 2 years from date of manufacture by CSDP

#### **Cooley Sign & Awning Products**

Cooley-Brite® is a registered trademark of Cooley, Inc.

## **Cooley-Brite® II with Coolthane® EPS**

### **10-Year**

#### **10-Year Limited Warranty\***

Cooley Sign & Digital Products (CSDP) warrants to its customer, an electrical sign company engaged in fabricating and furnishing signs and awnings to various businesses, that COOLEY BRITE® II when coated at the factory, with EPS clear protective top coating and used as components of internally illuminated displays will not fade excessively or undergo excessive color degradation to the extent that the display becomes ineffective for its intended advertising or identification purpose when viewed at a normal distance of 50 ft. for a period of 10 years.

CSDP warrants that COOLEY BRITE® II when coated at the factory with EPS clear protective top coating will remain cleanable when using CSDP's cleaning products or approved equivalents with approved cleaning techniques.

Any eradicated areas of COOLEY BRITE® II must be re- sprayed with COOLTHANE® spray or other approved decorating methods.

If the material fades or undergoes excessive color degradation as described above, CSDP will supply to the sign or awning company sufficient COOLEY BRITE® II material to produce a new duplicate sign or awning at the then current price and will grant an allowance equal to 1/96th of the original purchase price for each month remaining in the 10-year period of use.

The foregoing is not applicable to sign faces or awnings, which have been damaged by chemicals, neglect or mishandling, nor to signs or awnings which excessively fade or discolor due to use of non-recommended decorating or cleaning techniques.

CSDP's liability under warranty is limited to replacement as stated herein and CSDP will have no liability for any incidental or consequential losses or expenses. No replacement will be made for any sign or awning, which has been in use for more than the 10-year period.

CSDP will have no obligation under this warranty until all bills for material have been paid in full. During the term of this warranty, CSDP employees or agents shall have free access to the signs and awnings during regular business hours.

THIS WARRANTY IS GIVEN IN LIEU OF ALL WARRANTIES EXPRESS OR IMPLIED AND CONSTITUTES CSDP'S SOLE TEN (10) YEAR WARRANTY FOR COOLEY BRITE II WHEN USED IN BACKLIT SIGNS OR AWNINGS.

THERE IS NO WARRANTY OF MERCHANTABILITY, WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR OTHER WARRANTY EXPRESS OR IMPLIED OTHER THAN AS SET FORTH IN THIS WARRANTY. IN ADDITION, THERE ARE NO REMEDIES AVAILABLE OTHER THAN THE REMEDIES SET FORTH IN THIS LIMITED WARRANTY.

\* 10-year warranty period begins with the date of the fabrication, but it will not extend more than 10 1/2 years from the date of manufacture by CSDP. Shelf-life is 2 years from date of manufacture by CSDP

#### **Cooley Sign & Awning Products**

Cooley-Brite® and Coolthane® are registered trademarks of Cooley, Inc.



# Covershade™

## 10-Year Limited Warranty

### LIMITED WARRANTY FOR COVERSHADE™

COVERSHADE™ ("fabric") is a high quality knitted monofilament shadecloth designed for industrial, agricultural, construction and trucking covers and shades.

### Limited Warranty

Polyfab USA LLC ("Polyfab") warrants to the initial purchaser of the fabric that the fabric will not suffer from abnormal deterioration from ultra violet exposure for a period of 10 years from the date of installation. The term abnormal deterioration means deterioration exceeding 10% of the fabric's original strength for each year over the 10-year warranty period, and does not include normal wear and tear. If the fabric does suffer from abnormal deterioration during the 10-year warranty period, Polyfab will, at its option, either replace the fabric or supply equivalent fabric, or pay to the initial purchaser the cost of replacing the fabric or of acquiring equivalent fabric on the following pro-rata basis:

1st year 100% of the original fabric purchase price

2nd year 90% of the original fabric purchase price

3rd year 80% of the original fabric purchase price

4th year 70% of the original fabric purchase price

5th year 60% of the original fabric purchase price

6th year 50% of the original fabric purchase price

7th year 40% of the original fabric purchase price

8th year 30% of the original fabric purchase price

9th year 20% of the original fabric purchase price

10th year 10% of the original fabric purchase price

POLYFAB UNDERTAKES NO RESPONSIBILITY FOR THE QUALITY OF THE FABRIC EXCEPT AS OTHERWISE PROVIDED HEREIN. THERE IS NO IMPLIED WARRANTY THAT THE FABRIC SHALL BE MERCHANTABLE. POLYFAB ASSUMES NO RESPONSIBILITY THAT THE FABRIC WILL BE FIT FOR ANY PARTICULAR PURPOSE FOR WHICH YOU MAY BE BUYING THE FABRIC, EXCEPT AS OTHERWISE PROVIDED HEREIN. THERE IS NO IMPLIED WARRANTY THAT THE FABRIC SHALL BE FIT FOR ANY PARTICULAR PURPOSE. YOU ACKNOWLEDGE THAT YOU ARE NOT RELYING ON POLYFAB'S SKILL OR JUDGMENT TO SELECT OR FURNISH THE FABRIC SUITABLE FOR ANY PARTICULAR PURPOSE AND THAT THERE IS NO WARRANTY WHICH EXTENDS BEYOND THAT PROVIDED HEREIN.

### Exclusions and Product Disclaimers

This limited warranty does not cover, and Polyfab is not liable for, abnormal deterioration of fabric occurring due to any of the following circumstances:

- Exposure to pollution, chemicals, solvents, cleaning agents or other substances that are harmful to the performance of the fabric.
- Faulty installation of the fabric or faulty design or manufacture of any structure to which the fabric is attached.
- Improper storing, handling, bracing, use of the fabric or use contrary to the specifications for the fabric.
- Color fading. Color fading is normal over time. Fabric colors containing red or yellow pigments have a tendency to fade more than others. Color Fading is not abnormal deterioration or a loss of strength/breakdown and is not covered by this warranty.
- Minor color variation from fabric samples.
- Minor visual imperfection due to the manufacturing processes.

- The negligent act or omission of any person.
- Misuse, neglect or abuse of the fabric.
- During installation, Polyfab shadecloth should not be subject to "pre-stressed" loading in excess of 20%.
- Wind flap and storm damages are major causes of abnormal deterioration and premature breakdown in any quality outdoor fabric. It is therefore critical that the fabric be installed firm and tight and maintained in a firm condition. Fabric that is allowed to flap and cause rubbing and abrasion as a result of excessive and continual wind flap or storm damage on structural poles and support wires is mechanical breakdown and not covered by this warranty.
- The fabric should be supported by using appropriate strength poles and footings as determined by a professional structural engineer, and fabricated and installed by a qualified contractor in accordance with local building codes.
- Technical testing information supplied by Polyfab is sourced from third-party testing authorities, and tolerances may vary by as much as 10%.

### Limitation of Liability

Polyfab's obligations and liabilities are expressly and exclusively limited to those set forth herein. EXCEPT AS OTHERWISE PROVIDED FOR HEREIN, POLYFAB SHALL NOT BE LIABLE FOR DIRECT, INDIRECT, INCIDENTAL, CONSEQUENTIAL, OR SPECIAL DAMAGES, INCLUDING LOSS OF PROFITS OR OTHER COMMERCIAL LOSSES, INCLUDING CLAIMS BASED ON NEGLIGENCE OR STRICT LIABILITY. IN THE EVENT POLYFAB IS FOUND TO BE LIABLE FOR ANY DAMAGE OR LOSS RELATED TO THE FABRIC, SUCH LIABILITY SHALL BE LIMITED TO THE ORIGINAL PURCHASE PRICE OF THE FABRIC.

### Claims Procedure

All claims under this limited warranty must be made in writing, within 30 days from the date upon which the defect became known to the initial purchaser, to Polyfab USA LLC, 1601 N. Sepulveda Blvd. #392, Manhattan Beach, CA 90266. Claims must be supported by a sample of the defective fabric together with proof of purchase, including the date and location of fabric purchase, and photos of the finished installation.

### POLYFAB AUSTRALIA Pty. Ltd.

Covershade™ is a trademark of Polyfab USA.

# Dickson® North American Collection

## 10-Year

### LIMITED WARRANTY TERMS & CONDITIONS

### DICKSON NORTH AMERICAN COLLECTION 10-YEAR LIMITED WARRANTY

Dickson warrants the rot-proof properties and color fastness (7/8 minimum color fastness under exposure to ultra-violet rays and bad weather conditions, according to the NF EN ISO 105 B02 and NF EN ISO 105 B04 standards) of its DICKSON NORTH AMERICAN COLLECTION fabrics for 10 years (starting from the date on which the awning is purchased).

### This warranty is valid under the following terms and conditions:

- For 8 years, Dickson shall either replace free of charge or, at its convenience, reimburse the invoice value of the section of fabric recognized as faulty, excluding any costs or any other compensation for any reason whatsoever.
- In the event of a justified complaint after the 8th year, the warranty will consist of a discount on the purchase of a new fabric: 30% during the 9th year and 15% during the 10th year, at the rate applicable on the day of the complaint.
- Any complaint must be sent within ten days of the defect being noticed, accompanied by the purchase invoice, via registered mail with confirmation of receipt to: Dickson – Customer Service – BP 109 – 59443 Wasquehal Cedex France.
- The fabric must be kept available to the experts of Dickson or its insurance company.

- Replacement or reimbursement of the defective fabric does not extend the duration of the original warranty.

#### This warranty does not cover:

- The benefits not performed by Dickson: sewing of the fabric, etc.
- Parts of the awning other than the fabric manufactured by Dickson: valance, frame, etc.
- Imperfections such as mottling, waffling, folds, etc. due to handling during preparation of the awning or its installation
- Defects due to the aging and normal wear of the fabric
- The consequences of the conditions of installation, the environment or the use not corresponding to the normal conditions, uses of the profession, standards prescribed by Dickson or the destined use of the fabric
- The repair of damage or defects in the fabric resulting from accidents or negligence not attributable to Dickson or resulting from force majeure.

#### Expressly excluded in particular is any deterioration due to:

- Faulty maintenance or the use of unsuitable products or instruments: no detergent, chemical product or solvent can be used, nor any scraper or other instrument that may damage the surface
- Lightning or other unusual weather conditions
- Atmospheric or phytosanitary pollution
- Soiling caused by animals
- Faulty assembly or handling by the user, the projection of various products, hanging objects on the fabric, falling objects, bumps, road accidents, vandalism, burns from cigarettes or other sources, fire.

This limited warranty shall under no circumstances pose an obstacle to the legal guarantees.

#### Dickson

Dickson® is a registered trademark of Glen Raven, Inc.

## Eradi-Lite®

### 8-Year (5-Year U.S. Desert Southwest)

Eradi-Lite is warranted for eight years against loss of color under the following conditions:\*

- The awning must be properly installed, utilized and maintained. The warranty does not apply against deteriorations of any kind due to abusive use, negligence, vandalism, perforations, or acts of God.
- While all color pigmentations fade eventually, Eradi-Lite color fastness is guaranteed to remain within the standards set under normal conditions of exposure and atmospheric chemical pollution for a period of eight years from the date of the original installation.
- Normal wear, weather soiling, or stains from environmental pollution or other sources are not covered.
- The warranty, if applicable, is limited to the replacement of the fabric free of charge. Frames, systems, decorations, or labor are not covered by this warranty.
- TRIVANTAGE® MAKES NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSES WHATSOEVER WITH RESPECT TO THE GOODS BEING SOLD.
- THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE OF THIS AGREEMENT.

- If within the first 60 months of the warranty period Eradi-Lite fades or undergoes excessive color degradation as described above, Trivantage will supply to the fabricator sufficient Eradi-Lite material to produce a new duplicate awning at no charge. If during the last 36 months of the warranty period Eradi-Lite fades or undergoes excessive color degradation as described above, Trivantage will supply to the fabricator sufficient Eradi-Lite material to produce a new duplicate awning at the then current price, and will grant an allowance equal to 1/96th of the original purchase price for each month remaining in the eight year warranted period of use.\*\*

- This warranty gives you specific legal rights and you may also have other rights, which vary state to state.

- All claims shall be filed by the fabricator of the awning, through the company that sold Eradi-Lite to the fabricator.

\*Eradi-Lite is limited to a five year warranty in the Desert Southwest as defined by the following states and counties:

Arizona: All (entire state)

California: Imperial, Inyo, Mono, Riverside, San Bernardino

Nevada: Clark (Las Vegas), Esmeralda, Lincoln, Mineral, Nye

New Mexico: All (entire state)

Texas: Brewster, Culberson, El Paso, Hudspeth, Jeff Davis, Loving, Pecos, Presidio, Reeves, Ward, Winkler

Utah: Kane, Washington

\*\*New eight-year warranty applies to awning projects installed after October 26, 2005.

#### Trivantage, LLC

Eradi-Lite® is a registered trademark of Glen Raven, Inc.

## FIREISIST®

### 5-Year

This limited warranty is valid only if a copy of the invoice for the item purchased is submitted showing the date of original purchase.

**What is covered?** This limited warranty covers the fabric becoming unserviceable because of loss of color or strength from normal usage and exposure conditions, including sunlight, mildew and atmospheric chemicals. Consumer is responsible for normal care and cleaning of the fabric. This warranty covers fabric only. Glen Raven's liability is expressly limited to this warranty.

**How long is the coverage period?** FIREISIST limited warranty coverage runs for five years (60 months) from the date of original installation.

**What will Glen Raven do?** Glen Raven will grant an allowance equal to 1/60th the original purchase price for each month remaining in the five year warranty period towards the purchase of all fabric required to produce a new duplicate awning.

**How can you get service?** Call the dealer or retailer from whom you purchased the product, to inspect the claim. They, in turn, will contact the manufacturer of the item purchased. The manufacturer will then contact Glen Raven and secure replacement fabric for you.

#### Glen Raven Custom Fabrics, LLC

FIREISIST® is a registered trademark of Glen Raven, Inc.

## FR Comshade®

### 10-Year Limited Warranty

#### LIMITED WARRANTY FOR FR COMSHADE®

FR COMSHADE® PREMIUM FLAME RETARDANT KNITTED SHADECLOTH ("fabric") is a fabric designed for use in shade structures and shade sails.

#### Limited Warranty

Polyfab USA LLC ("Polyfab") warrants to the initial purchaser of the fabric that the fabric will not suffer from abnormal deterioration from ultra violet exposure for a period of 10 years from the date of installation. The term abnormal deterioration means (i) deterioration exceeding 5% of the fabric's original tensile and tear strength (both in warp and weft direction) caused by ultra violet radiation and the chemical processes that ultra violet radiation initiates in the plastics and the additives alone for each year over the 10-year warranty period, and does not include normal wear and tear, or (ii) the fabric has mechanically failed during the actual application in the shading environment intended for such fabric. The maximum working load of the fabric should not exceed 60% of the break strength in both warp and weft directions. If the fabric does suffer from abnormal deterioration during the 10-year warranty period, Polyfab will, at its option, either replace the fabric or supply equivalent fabric, or pay to the initial purchaser the cost of replacing the fabric or of acquiring equivalent fabric on the following pro-rata basis:

1-5 years 100% of the original fabric purchase price  
5-7 years 50% of the original fabric purchase price  
7-10 years 25% of the original fabric purchase price

POLYFAB UNDERTAKES NO RESPONSIBILITY FOR THE QUALITY OF THE FABRIC EXCEPT AS OTHERWISE PROVIDED HEREIN. THERE IS NO IMPLIED WARRANTY THAT THE FABRIC SHALL BE MERCHANTABLE. POLYFAB ASSUMES NO RESPONSIBILITY THAT THE FABRIC WILL BE FIT FOR ANY PARTICULAR PURPOSE FOR WHICH YOU MAY BE BUYING THE FABRIC, EXCEPT AS OTHERWISE PROVIDED HEREIN. THERE IS NO IMPLIED WARRANTY THAT THE FABRIC SHALL BE FIT FOR ANY PARTICULAR PURPOSE. YOU ACKNOWLEDGE THAT YOU ARE NOT RELYING ON POLYFAB'S SKILL OR JUDGMENT TO SELECT OR FURNISH THE FABRIC SUITABLE FOR ANY PARTICULAR PURPOSE AND THAT THERE IS NO WARRANTY WHICH EXTENDS BEYOND THAT PROVIDED HEREIN.

#### Exclusions and Product Disclaimers

This limited warranty does not cover, and Polyfab is not liable for, abnormal deterioration of fabric occurring due to any of the following circumstances:

- Exposure to pollution, chemicals, solvents, cleaning agents or other substances that are harmful to the performance of the fabric.
- Faulty installation of the fabric or faulty design or manufacture of any structure to which the fabric is attached.
- Improper storing, handling, bracing, use of the fabric or use contrary to the specifications for the fabric.
- Color fading. Color fading is normal over time. Fabric colors containing red or yellow pigments have a tendency to fade more than others. Color Fading is not abnormal deterioration or a loss of strength/breakdown and is not covered by this warranty.
- Minor color variation from fabric samples.
- Minor visual imperfection due to the manufacturing processes.
- The negligent act or omission of any person.
- Misuse, neglect or abuse of the fabric.
- During installation, the fabric should not be subject to "pre-stressed" loading in excess of 20%.
- Wind flap and storm damages are major causes of abnormal deterioration and premature breakdown in any quality outdoor fabric. It is therefore critical that the fabric be installed firm and tight and maintained in a firm condition. Fabric that is allowed to flap and cause rubbing and abrasion as a result of excessive and continual wind flap or storm damage on structural poles and support

wires is mechanical breakdown and not covered by this warranty.

- The fabric should be supported by using appropriate strength poles and footings as determined by a professional structural engineer, and fabricated and installed by a qualified contractor in accordance with local building codes.
- Technical testing information supplied by Polyfab is sourced from third-party testing authorities, and tolerances may vary by as much as 10%.

#### Limitation of Liability

Polyfab's obligations and liabilities are expressly and exclusively limited to those set forth herein. EXCEPT AS OTHERWISE PROVIDED FOR HEREIN, POLYFAB SHALL NOT BE LIABLE FOR DIRECT, INDIRECT, INCIDENTAL, CONSEQUENTIAL, OR SPECIAL DAMAGES, INCLUDING LOSS OF PROFITS OR OTHER COMMERCIAL LOSSES, INCLUDING CLAIMS BASED ON NEGLIGENCE OR STRICT LIABILITY. IN THE EVENT POLYFAB IS FOUND TO BE LIABLE FOR ANY DAMAGE OR LOSS RELATED TO THE FABRIC, SUCH LIABILITY SHALL BE LIMITED TO THE ORIGINAL PURCHASE PRICE OF THE FABRIC.

#### Claims Procedure

All claims under this limited warranty must be made in writing, within 30 days from the date upon which the defect became known to the initial purchaser, to Polyfab USA LLC, 1601 N. Sepulveda Blvd. #392, Manhattan Beach, CA 90266. Claims must be supported by a sample of the defective fabric together with proof of purchase, including the date and location of fabric purchase, and photos of the finished installation.

#### POLYFAB AUSTRALIA Pty. Ltd.

Comshade® is a registered trademark of Polyfab USA LLC

## HarborTime® Edge

### 7-Year

HarborTime® Edge is warranted for a period of seven years (7) from the date of the installation in a marine cover, top or enclosure end uses. The warranty protects the end user from excessive loss of color or strength from normal exposure conditions including sunlight, mildew, rot and normal atmospheric chemicals which may render the fabric unserviceable. This warranty does not cover seam leakage, damage from Acts of God, vandalism, neglect or improper cleaning and improper use. Please see your Trivantage®, LLC representative for cleaning instructions.

In the unlikely event of fabric failure during the warranty period Graniteville Specialty Fabrics will supply the end product fabricator or Trivantage, LLC new fabric free of charge equal to the fabric used in the end use item. Labor, installation and other component part costs of the end use item are not covered by this warranty. Graniteville Specialty Fabrics reserves the right to inspect the fabric or made up item of any warranty claim.

**Except for the explicit warranties, herein, no other warranty, expressed or implied, including any implied warranty of merchantability of fitness for a particular use is made by Graniteville Specialty Fabrics. In no event shall Graniteville Specialty Fabrics be liable for damages to any person or property, or any consequential or incidental damages.**

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of consequential or incidental damage, so, the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights and you may have other rights which vary from state to state.

To get service, call the dealer from whom you purchased the product. The dealer will inspect the installation and process the claim through Trivantage, LLC and Graniteville Specialty Fabrics.

#### Graniteville Specialty Fabrics

HarborTime® is a registered trademark of Glen Raven, Inc.



## HarborTime® Edge HD

### 7-Year

HarborTime® Edge HD is warranted for a period of seven years (7) from the date of the installation in a marine cover, top or enclosure end uses. The warranty protects the end user from excessive loss of color or strength from normal exposure conditions including sunlight, mildew, rot and normal atmospheric chemicals which may render the fabric unserviceable. This warranty does not cover seam leakage, damage from Acts of God, vandalism, neglect or improper cleaning and improper use. Please see your Trivantage®, LLC representative for cleaning instructions.

In the unlikely event of fabric failure during the warranty period Graniteville Specialty Fabrics will supply the end product fabricator or Trivantage, LLC new fabric free of charge equal to the fabric used in the end use item. Labor, installation and other component part costs of the end use item are not covered by this warranty. Graniteville Specialty Fabrics reserves the right to inspect the fabric or made up item of any warranty claim.

**Except for the explicit warranties, herein, no other warranty, expressed or implied, including any implied warranty of merchantability of fitness for a particular use is made by Graniteville Specialty Fabrics. In no event shall Graniteville Specialty Fabrics be liable for damages to any person or property, or any consequential or incidental damages.**

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of consequential or incidental damage, so, the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights and you may have other rights which vary from state to state.

To get service, call the dealer from whom you purchased the product. The dealer will inspect the installation and process the claim through Trivantage, LLC and Graniteville Specialty Fabrics.

**Graniteville Specialty Fabrics**  
HarborTime® is a registered trademark of Glen Raven, Inc.

## Herculite® Natura™

### 8-Year

#### 8-Year Limited Warranty

Herculite® Natura™ Awning Fabrics are guaranteed for a period of eight (8) years from date of original installation against rot or excessive deterioration, mildew stains, excessive loss of strength or color change if they occur in normal use and exposure, including sunlight and normal atmospheric chemicals. (Some color change is unavoidable due to ultraviolet rays and chemicals in the atmosphere).

In the unlikely event of failure of fabric during the eight (8) year period from date of original installation, Herculite Products Inc. will guarantee 100% replacement of the fabric to the original owner of the awning for the first five (5) years. Coverage is prorated for the three (3) year remainder of the warranty with a credit of 1/96th being applied toward the purchase of replacement material for each month remaining on the warranty. Herculite's liability will be limited to the replacement of the fabric only and does not cover labor, installation or decorations.

This warranty protects you against damage to the fabric accessories used under normal conditions. It does not cover damage to the fabric from acts of God, vandalism, neglect or improper use. This warranty requires that the user implement proper care and maintenance as defined within Natura, Handling and Maintenance Instructions.

**This warranty is in lieu of all warranties expressed or implied, and, Herculite Products Inc. will not be liable for any consequential or incidental damage. Any implied warranties imposed by law are limited in time to the duration of the expressed warranty.**

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damage, so, the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights and you may also have other rights, which vary from state to state.

#### Herculite Products Inc.

Natura™ is a trademark of Herculite Products Inc.  
Herculite® is a registered trademark of Herculite Products Inc.

## Herculite® Riviera Marine Fabric™

### 5-Year

#### Limited Warranty

Herculite Riviera Marine Fabrics are guaranteed for a period of five (5) years from date of original installation against rot or excessive deterioration, mildew stains, excessive loss of strength or color change if they occur in normal use and exposure, including sunlight and normal atmospheric chemicals. (Some color change is unavoidable due to ultraviolet rays and chemicals in the atmosphere.)

In the unlikely event of failure of fabric during the five (5) year period from date of original installation, we will supply you, the original owner or the provider of your protective fabric accessories with replacement fabric at no charge.

This warranty protects you against damage to the fabric accessories used under normal conditions. It does not cover damage to the fabric from acts of God, vandalism, neglect or improper use.

**This warranty is in lieu of all warranties expressed or implied, and, Herculite Products Inc. will not be liable for any consequential or incidental damage. Any implied warranties imposed by law are limited in time to the duration of the expressed warranty.**

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damage, so, the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights and you may also have other rights, which vary from state to state.

#### Herculite Products Inc.

Riviera Marine Fabric™ is a trademark of Herculite Products Inc.  
Herculite® is a registered trademark of Herculite Products Inc.

## Main Street® +

### 5-Year

#### Limited Warranty

Main Street®+, a registered trademark of Glen Raven, Inc. is warranted for a period of five years from the date of the original installation against excessive loss of color or strength from normal exposure conditions including sunlight, mildew, rot and normal atmospheric chemicals which may render the fabric unserviceable. This warranty does not cover damage from Acts of God, vandalism, neglect or improper use.

In the unlikely event of fabric failure during the warranty period, Graniteville Specialty Fabrics will supply you, the end consumer, new fabric free of charge working through Trivantage and your dealer. Labor and installation are not covered by this warranty. Graniteville Specialty Fabrics reserves the right to inspect the fabric or made up item of any warranty claim.

**Except for the explicit warranties, herein, no other warranty, expressed or implied, including any implied warranty of merchantability of fitness for a particular use is made by Graniteville Specialty Fabrics. In no event shall Graniteville Specialty Fabrics be liable for damages to any person or property, or any consequential or incidental damages.**

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of consequential or incidental damage, so, the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights and you may have other rights which vary from state to state.

To get service, call the dealer from whom you purchased the product. The dealer will inspect the installation and process the claim through Trivantage, LLC and Graniteville Specialty Fabrics.

**Graniteville Specialty Fabrics**

Main Street®+ is a registered trademark of Glen Raven, Inc.

## Nautolex® Capitano Marine Vinyl Upholstery, SofDura and Voyager®

### 5-Year

#### Marine Upholstery Products for OEM

##### Limited Five Year Warranty

Subject to the limitations and conditions described below, OMNOVA Solutions Inc. warrants to its customers who are manufacturers of boats, seats or trim component parts ("Customers") that OMNOVA will replace Nautolex® marine upholstery products, topping and trim ("Product") if they fail during normal use due to defects in materials or workmanship during the period of five years from a Customer's retail sale of a boat, seat or completed trim component part containing product.

During the first three (3) years of this warranty, OMNOVA will replace defective Product and pay competitive labor rates for reupholstery of the seat and/or trim, with a limit of twenty dollars per linear yard of Product. During the fourth and fifth years, OMNOVA will supply replacement product, but will not pay for labor or other costs. THE REMEDY DESCRIBED IN THIS PARAGRAPH IS THE SOLE AND EXCLUSIVE REMEDY FOR DEFECTS IN NAUTOLEX PRODUCTS. IN NO EVENT SHALL OMNOVA HAVE ANY LIABILITY FOR ANY LOST PROFITS OR INDIRECT, INCIDENTAL, CONSEQUENTIAL, SPECIAL, PUNITIVE, OR EXEMPLARY DAMAGES, EVEN IF OMNOVA HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, INCLUDING BUT NOT LIMITED TO ANY DAMAGES ARISING FROM OR RELATING TO ANY INJURY TO PERSONS; LOSS OF VALUE OR USE (INCLUDING WITHOUT LIMITATION, DIMINUTION IN VALUE); DAMAGE TO OR LOSS OF OTHER PROPERTY; CLAIMS MADE BY END-USERS; OR COST OF SUBSTITUTE MATERIALS.

This warranty specifically excludes (a) staining resulting from mildew growth on adjacent boat components, bleeding from adjacent boat components or contact with suntan lotion; (b) degradation due to the presence of amines in adjacent urethane foam cushioning; (c) damage caused by improper installation or failure of the seat and/or trim parts; and (d) deterioration due to the use of improper cleaning materials or procedures.

**OMNOVA MAKES NO OTHER WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE.**

**OMNOVA Solutions, Inc.**

Nautolex® and Voyager® are registered trademarks of OMNOVA Solutions, Inc.

## Nautolex® Marine Flooring

### 3-Year

##### 3-Year Limited Warranty

Subject to the limitations and conditions described below, OMNOVA Solutions Inc. warrants to its customers who are manufacturers of boats ("Customers") that OMNOVA will replace Nautolex® marine flooring products ("Product") if such products fail during normal use due to defects in materials or workmanship during the period of thirty six (36) months from the first retail sale of a boat containing such flooring as original equipment. This warranty extends only to customers who are manufacturers of boats.

If Product fails to meet this warranty, OMNOVA will replace defective Product and pay competitive labor rates for re-installation of the Product, with a limit of twenty dollars per linear yard of Product. THE REMEDY DESCRIBED IN THIS PARAGRAPH IS THE SOLE AND EXCLUSIVE REMEDY FOR DEFECTS IN NAUTOLEX PRODUCTS. Under no circumstances shall OMNOVA be liable for incidental or consequential damages.

This warranty specifically excludes (a) damage caused by abrasive elements; (b) damage caused by improper installation; (c) damage or deterioration due to the use of improper cleaning materials or procedures; and (d) damage caused by adhesives.

**OMNOVA MAKES NO OTHER WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE.**

**OMNOVA Solutions, Inc.**

Nautolex® is a registered trademark of OMNOVA Solutions Inc.

## Nite-Lite®

### 8-Year

Nite-Lite is warranted against rot, mildew, and loss of color or strength under the following conditions:

- The fabric must be properly installed, utilized and maintained. The warranty does not apply against deteriorations of any kind due to abusive use, malfunction, negligence, vandalism, accidental burns, perforations, or acts of God.
- While all color pigmentations fade eventually, Nite-Lite color fastness is guaranteed to remain within the standards set under normal conditions of exposure and atmospheric chemical pollution for the specified warranty period from the date of the original installation.
- Normal wear, weather soiling, or stains from environmental pollution or other sources are not covered.
- The warranty, if applicable, is limited to the replacement of the fabric free of charge for eight years from the date of the original installation. Years six through eight are covered on a pro-rated basis. Fabricator will be credited a percentage of the purchase price of the fabric equal to the number of months left in the warranty divided by 36 (example: 18 months left divided by 36 equals 50%, therefore, 50% credit). Frames, systems, graphic applications, or labor are not covered by this warranty.
- TRIVANTAGE® MAKES NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSES WHATSOEVER WITH RESPECT TO THE GOODS BEING SOLD.
- THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE OF THIS AGREEMENT.
- This warranty gives you specific legal rights and you may also have other rights which vary state to state.

**Trivantage, LLC**

Nite-Lite® is a registered trademark of Glen Raven, Inc.

## O'Sullivan® Films (O'Sea®, Regalite®)

### 18-Month

O'Sullivan Films provides a limited warranty on its O'Sea® and Regalite® press polished products as follows:

1. O'Sullivan Films will replace, at no charge, any sheet found to be defective upon inspection or during fabrication, provided that any sheet requested to be replaced is returned, whether cut or not. Defective sheets are those that do not meet the quality criteria defined by O'Sullivan Films.
2. Products found to be out of compliance according to the criteria established by O'Sullivan will be replaced, upon inspection and agreement that performance and/or appearance of the sheets is not consistent with the quality specification established by O'Sullivan and accepted by the user. Cases will be considered on an individual basis. It will be at the discretion of O'Sullivan Films as to whether the sheet in question is warrantable.
3. The Warranty period is eighteen months from the date of installation. To make a warranty claim the user of the press polished sheet must provide substantiation in the form of skid and drum number of the sheet submitted for a warranty claim.
4. This limited warranty does not apply to any press polished sheet products from which:
  - Adequate identification, proof of purchase of date of manufacture is not available.
  - Is defective as a result of accident, misuse or abuse;
  - Conforms to O'Sullivan Films specifications.
  - Is used or fabricated in a way inconsistent with the intended use of press polished sheets.
  - Is used or fabricated in a way inconsistent with the Care and Handling provided by O'Sullivan and maintained by O'Sullivan. This includes but is not limited to handling and stacking of sheets, exposure to certain liquids and chemicals, and use of cleansers not approved by O'Sullivan Films.
  - Becomes defective as a result of failure(s) of related equipment, parts or products for which O'Sullivan Films is not responsible.
  - As a result of use in an environment for which the product was not designed.

Under no circumstances, at any time, will O'Sullivan Films be held liable for labor or additional costs other than the vinyl itself.

O'Sullivan®, O'Sea® and Regalite® are registered trademarks of O'Sullivan Films.

## Patio 500®

### 5-Year (excluding pattern 513 Clear)

#### Limited Warranty

Patio 500® Awning Fabrics are warranted for a period of five (5) years from date of original installation against rot or excessive deterioration, excessive loss of strength or color change if they occur in normal use and exposure, including sunlight and normal atmospheric chemicals. (Some color change is unavoidable due to ultraviolet rays and chemicals in the atmosphere.)

In the unlikely event of failure of fabric during the five (5) year period from date of original installation, we will supply you, the original owner or the provider of your protective fabric accessories with replacement fabric at no charge.

This warranty protects you against damage to the fabric accessories used under normal conditions. It does not cover damage to the fabric from acts of God, vandalism, neglect or improper use.

**This warranty is in lieu of all warranties expressed or implied, and, Herculite Products Inc. will not be liable for any consequential or incidental damage. Any implied warranties imposed by law are limited in time to the duration of the expressed warranty.**

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damage, so, the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights and you may also have other rights, which vary from state to state.

#### Herculite Products Inc.

Patio 500® is a registered trademark of Herculite Products Inc.

## Phifertex®

### 3-Year

#### Limited Warranty

**What Is Covered?** This warranty covers the fabric becoming non-functional because of loss of dimensional stability from exposure conditions including sunlight, mildew, rot and normal atmospheric conditions. Abnormal or excessive discoloration and fading is covered. It does not cover discoloration from atmospheric pollution or other debris.

**How Long Is The Coverage Period?** The warranty coverage runs for 3 years from the date of purchase.

**What Will Phifer Do?** Phifer Incorporated will provide new fabric, free, to replace the non-functioning fabric. This warranty does not cover the cost of labor or other consequential or incidental expenses.

**How Can You Get Service?** Contact the merchant from whom you purchased the product. The merchant will contact Phifer.

#### Phifer Inc.

Phifertex® is a registered trademark of Phifer Inc.

## Polyshield™

### 3-Year Limited Warranty

#### LIMITED WARRANTY FOR POLYSHIELD™

POLYSHIELD™ ("fabric") is a high quality reinforced HDPE fabric suitable for disaster and storm tarps, haystack covers, stationary equipment covers and tent flooring.

#### Limited Warranty

Polyfab USA LLC ("Polyfab") warrants to the initial purchaser of the fabric that the fabric will not suffer from abnormal deterioration from ultra violet exposure for a period of 3 years from the date of installation. The term abnormal deterioration means deterioration exceeding 20% of the fabric's original strength for each year over the 3-year warranty period, and does not include normal wear and tear. If the fabric does suffer from abnormal deterioration during the 3-year warranty period, Polyfab will, at its option, either replace the fabric or supply equivalent fabric, or pay to the initial purchaser the cost of replacing the fabric or of acquiring equivalent fabric on the following pro-rata basis:

1st year 100% of the original fabric purchase price

2nd year 70% of the original fabric purchase price

3rd year 40% of the original fabric purchase price

POLYFAB UNDERTAKES NO RESPONSIBILITY FOR THE QUALITY OF THE FABRIC EXCEPT AS OTHERWISE PROVIDED HEREIN. THERE IS NO IMPLIED WARRANTY THAT THE FABRIC SHALL BE MERCHANTABLE. POLYFAB ASSUMES NO RESPONSIBILITY THAT THE FABRIC WILL BE FIT FOR ANY PARTICULAR PURPOSE FOR WHICH YOU MAY BE BUYING THE FABRIC, EXCEPT AS OTHERWISE



## FABRIC WARRANTY INFORMATION

PROVIDED HEREIN. THERE IS NO IMPLIED WARRANTY THAT THE FABRIC SHALL BE FIT FOR ANY PARTICULAR PURPOSE. YOU ACKNOWLEDGE THAT YOU ARE NOT RELYING ON POLYFAB'S SKILL OR JUDGMENT TO SELECT OR FURNISH THE FABRIC SUITABLE FOR ANY PARTICULAR PURPOSE AND THAT THERE IS NO WARRANTY WHICH EXTENDS BEYOND THAT PROVIDED HEREIN.

### Exclusions and Product Disclaimers

This limited warranty does not cover, and Polyfab is not liable for, abnormal deterioration of fabric occurring due to any of the following circumstances:

- Exposure to pollution, chemicals, solvents, cleaning agents or other substances that are harmful to the performance of the fabric.
- Faulty installation of the fabric or faulty design or manufacture of any structure to which the fabric is attached.
- Improper storing, handling, bracing, use of the fabric or use contrary to the specifications for the fabric.
- Color fading. Color fading is normal over time. Fabric colors containing red or yellow pigments have a tendency to fade more than others. Color Fading is not abnormal deterioration or a loss of strength/breakdown and is not covered by this warranty.
- Minor color variation from fabric samples.
- Minor visual imperfection due to the manufacturing processes.
- The negligent act or omission of any person.
- Misuse, neglect or abuse of the fabric.
- During installation, the fabric should not be subject to "pre-stressed" loading in excess of 20%.
- Wind flap and storm damages are major causes of abnormal deterioration and premature breakdown in any quality outdoor fabric. It is therefore critical that the fabric be installed firm and tight and maintained in a firm condition. Fabric that is allowed to flap and cause rubbing and abrasion as a result of excessive and continual wind flap or storm damage on structural poles and support wires is mechanical breakdown and not covered by this warranty.
- The fabric should be supported by using appropriate strength poles and footings as determined by a professional structural engineer, and fabricated and installed by a qualified contractor in accordance with local building codes.
- Technical testing information supplied by Polyfab is sourced from third-party testing authorities, and tolerances may vary by as much as 10%.

### Limitation of Liability

Polyfab's obligations and liabilities are expressly and exclusively limited to those set forth herein. EXCEPT AS OTHERWISE PROVIDED FOR HEREIN, POLYFAB SHALL NOT BE LIABLE FOR DIRECT, INDIRECT, INCIDENTAL, CONSEQUENTIAL, OR SPECIAL DAMAGES, INCLUDING LOSS OF PROFITS OR OTHER COMMERCIAL LOSSES, INCLUDING CLAIMS BASED ON NEGLIGENCE OR STRICT LIABILITY. IN THE EVENT POLYFAB IS FOUND TO BE LIABLE FOR ANY DAMAGE OR LOSS RELATED TO THE FABRIC, SUCH LIABILITY SHALL BE LIMITED TO THE ORIGINAL PURCHASE PRICE OF THE FABRIC.

### Claims Procedure

All claims under this limited warranty must be made in writing, within 30 days from the date upon which the defect became known to the initial purchaser, to Polyfab USA LLC, 1601 N. Sepulveda Blvd. #392, Manhattan Beach, CA 90266. Claims must be supported by a sample of the defective fabric together with proof of purchase, including the date and location of fabric purchase, and photos of the finished installation.

**POLYFAB AUSTRALIA Pty. Ltd.**  
Polyshield™ is a trademark of Polyfab USA.

## Polytex®

### 10-Year Against UV Degradation

### UV PERFORMANCE WARRANTY FOR POLYTEX®

**POLYTEX® and COMTEX® EXTRA HEAVY DUTY KNITTED SHADECLOTH ("fabric") are premium fabrics designed for use in shade structures and shade sails.**

### Warranty

Polyfab USA LLC ("Polyfab") warrants to the initial purchaser that the fabric will not suffer from abnormal deterioration from ultra violet exposure for a period of 10 years from the date of installation. The term abnormal deterioration means the fabric has mechanically failed during the actual application in the shading environment intended for such fabric. Such abnormal deterioration is defined by a measure of loss of tensile and tear strength (both in warp and weft direction) that is greater than 5% per annum; if such degradation of tensile strength has been caused by ultra violet radiation and the chemical processes that ultra violet radiation initiates in the plastics and the additives alone. The maximum working load of the fabric should not exceed 60% of the break strength in both warp and weft directions. This warranty does not include normal fading or wear and tear. Fading, by itself, is not an indication of loss of strength due to ultra violet radiation. If the fabric does suffer from abnormal deterioration during the 10-year warranty period, Polyfab will, at its option either replace the fabric or supply equivalent fabric, or pay the cost of replacing the fabric or of acquiring equivalent fabric.

POLYFAB UNDERTAKES NO RESPONSIBILITY FOR THE QUALITY OF THE FABRIC EXCEPT AS OTHERWISE PROVIDED HEREIN. THERE IS NO IMPLIED WARRANTY THAT THE FABRIC SHALL BE MERCHANTABLE. POLYFAB ASSUMES NO RESPONSIBILITY THAT THE FABRIC WILL BE FIT FOR ANY PARTICULAR PURPOSE FOR WHICH YOU MAY BE BUYING THE FABRIC, EXCEPT AS OTHERWISE PROVIDED HEREIN. THERE IS NO IMPLIED WARRANTY THAT THE FABRIC SHALL BE FIT FOR ANY PARTICULAR PURPOSE. YOU ACKNOWLEDGE THAT YOU ARE NOT RELYING ON POLYFAB'S SKILL OR JUDGMENT TO SELECT OR FURNISH THE FABRIC SUITABLE FOR ANY PARTICULAR PURPOSE AND THAT THERE IS NO WARRANTY, WHICH EXTENDS BEYOND THAT PROVIDED HEREIN.

### Exclusions

This warranty does not cover, and Polyfab is not liable for, deterioration of fabric occurring due to any of the following circumstances:

- Exposure to pollution, chemicals, solvents, cleaning agents or other substances that are harmful to the performance of the fabric.
- Faulty installation of the fabric or faulty design or manufacture of any structure to which the fabric is attached.
- Improper storing, handling, bracing, use of the fabric or use contrary to the specifications for the fabric.
- Color fading or variation due to ultraviolet exposure.
- Minor color variation from fabric samples.
- Minor visual imperfection due to the manufacturing processes.
- The negligent act or omission of any person.
- Misuse, neglect or abuse of the fabric.

### Limitation of Liability

Polyfab's obligations and liabilities are expressly and exclusively limited to those set forth herein. POLYFAB SHALL NOT BE LIABLE FOR DIRECT, INDIRECT, INCIDENTAL, CONSEQUENTIAL, OR SPECIAL DAMAGES, INCLUDING LOSS OF PROFITS, OR OTHER COMMERCIAL LOSS, AND INCLUDING CLAIMS BASED ON NEGLIGENCE OR STRICT LIABILITY, EXCEPT AS OTHERWISE PROVIDED FOR HEREIN. NOTWITHSTANDING THE FOREGOING, ANY LIABILITY RELATED TO THE FABRIC SHALL BE LIMITED TO THE PURCHASE PRICE OF THE FABRIC.

### Claims Procedure

All claims must be made in writing, within 30 days from the date upon which the defect became known, to Polyfab USA LLC, 1601 N. Sepulveda Blvd. #392, Manhattan Beach, CA 90266. Claims must be supported by a sample of the defective fabric together with proof purchase, including the date and location of fabric purchase.

**POLYFAB AUSTRALIA Pty. Ltd.**  
Comtex® and Polytex® are registered trademarks of Polyfab USA LLC.

## Sea-Sprae®

### 3-Year

Sea-Sprae, a registered trademark of Glen Raven, Inc, is warranted for a period of three years from the date of the original installation against excessive loss of color or strength from normal exposure conditions including sunlight, mildew, rot and normal atmospheric chemicals which may render the fabric unserviceable. This warranty does not cover damage from Acts of God, vandalism, neglect or improper use.

In the unlikely event of fabric failure during the warranty period, Graniteville Specialty Fabrics will supply you, the end consumer, new fabric free of charge working through Trivantage and your dealer. Labor and installation are not covered by this warranty. Graniteville Specialty Fabrics reserves the right to inspect the fabric or made up item of any warranty claim.

**Except for the explicit warranties, herein, no other warranty, expressed or implied, including any implied warranty of merchantability of fitness for a particular use is made by Graniteville Specialty Fabrics. In no event shall Graniteville Specialty Fabrics be liable for damages to any person or property, or any consequential or incidental damages.**

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of consequential or incidental damage, so, the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights and you may have other rights which vary from state to state.

To get service, call the dealer from whom you purchased the product. The dealer will inspect the installation and process the claim through Trivantage, LLC and Graniteville Specialty Fabrics.

#### Graniteville Specialty Fabrics

Sea-Sprae® is a registered trademark of Glen Raven, Inc.

## Serge Ferrari Soltis® Proof 502

### 10-Year

#### 10-year limited warranty

Applications: awnings and fixed shading systems

Manufactured according to the Serge Ferrari Technology and benefiting from the ISO 9001 Quality Assurance system, composite materials are guaranteed for 10 years for the mentioned applications.

#### 1) Warranty

Are guaranteed against any abnormal degradation of their main characteristics as part of normal use:

- breaking strength at least 30% of its original value,
- uniform colour change over time, for the same orientation and exposure,
- fire resistance as specified in the original technical document,
- impermeability.

#### 2) Warranty application conditions

The warranty takes effect on the day of delivery of the membranes to the customer.

In the event of proven liability, the warrantor declares its readiness to reimburse all or part of the costs of repair or replacement, subject to the conditions set forth in the table below. The percentage contribution of the warrantor shall take into account the warranty limits stated below, the installation conditions for the product and its exposure time.

The right to warranty only applies if the imperfections are reported by registered letter with acknowledgement of receipt to Serge Ferrari within a maximum time period of 30 calendar days of their occurrence; the invoice of the goods must also have been fully paid. A product purchase receipt shall be required in support of any claim. The sum reimbursed by the warrantor shall not exceed the initial purchase price paid by the first acquirer.

The costs of repair or replacement not covered by the warrantor following reimbursement shall remain payable by the third party.

This warranty does not therefore cover the labour costs or those resulting from the disassembling, reassembling and transportation operations. Furthermore, no monetary compensation is provided for under the terms of this warranty. The sum covered by the warrantor shall be proportional to the number of years between the start of exposure and the appearance of the defect:

Defect Occurring In	Percentage of Cost Assumed by Ferrari	Defect Occurring In	Percentage of Cost Assumed by Ferrari
1st Year	100%	5th Year	41%
2nd Year	80%	6th Year	33%
3rd Year	64%	7th Year	26%
4th Year	51%	8th Year	20%

### 3) Exclusions

Liability under the warranty is excluded, if damage results from:

- Non-compliance with installation recommendations and directions issued by the warrantor.
- Lack of fabric tension (for example slack, skewness) and installation on a retractable system. Précontraint 502 Satin material must remain faultlessly tensioned.
- Tear or repair during installation.
- Improper usage, negligence, product alterations, accidental damage of external covering, premature wear, rubbing, scratching, perforation exceeding normal wear.
- Exposure to chemicals, damage caused by machinery, devices or persons, excessive pressure, exceptional meteorological conditions, falling objects, explosions, fire, flooding, rioting, civil unrest, war, resorting to violence, faulty installation or improper implementation, radiation, aggressive vapour or dust in suspension.
- Damage during storage or installation by installer or final customer, exposure to heavy air pollution, cleaning with over-aggressive or unsuitable products.
- Application to or within structures non-compliant with construction standards applicable at the installation location, repairs or alterations causing loss of product performance performed by a person unauthorized by the warrantor.
- Any operation subsequent to material delivery, such as printing (notwithstanding the method used), welding or thermo-gluing of additional parts or fabrics.

On declaration of the defect referred to, the warrantor reserves the right to inspect and test the implicated product to determine the measures to be taken to remedy the defect. The warrantor, moreover, refuses any liability under the warranty, if the third party breaches the right of the representatives of the warrantor to examine the defect referred to.

### 4) Limitations

This warranty is limited and applies exclusively to the specified product and intended usage. It replaces all previous promises or warranties, either explicit or tacit, written or oral.

The warrantor refuses any liability regarding installation of mediocre quality or application not conforming with product specific characteristics.

With regard to services under warranty, any possible claims concerning products and the liability of the warrantor shall be exclusively governed by these terms and conditions of limited warranty. The third party accepts the present warranty clauses and certifies that no warranty or promise of warranty, other than the present clauses, has been concluded or foreseen with regard to the products or accessories supplied by the warrantor.

5) Limitations of liability

The warrantor cannot be held liable for losses of income, commercial or operational losses, financial charges or any other specific, consequential, circumstantial or mediate loss of any kind, possessing a causal link to, or related to, the products covered by this warranty, their implementation or usage, or the impossibility of using the said products or their late delivery. The warrantor shall decide at its convenience on the measures to be taken, if the liability of the warrantor is recognized, within the limits of the aforementioned provisions with regard to repair, defect elimination or product replacement. Costs of replacement shall not be reimbursed.

6) Final conditions

The competent jurisdiction governing any dispute resulting from the terms and conditions of this warranty shall be that of the registered office of the warrantor (Bourgoin-Jallieu, 38 France). This warranty agreement is governed by French law.

All questions or actions in warranty relating to the limited warranty defined above shall be addressed to:

Serge Ferrari sas  
B.P. 54  
38352 La Tour du Pin Cedex France

Ensure you have the document valid on the project date before activating the warranty. Valid from the 01st of November 2015

The Serge Ferrari Group  
Précontraint® is a registered trademark of The Serge Ferrari Group.

Serge Ferrari Soltis® Horizon 86 and Perform 92

5-Year

5-Year Limited Warranty

Subject to all the terms and conditions contained herein and with specific reference to the percentage of Serge Ferrari Liability Chart contained herein, Tissage et Enduction Serge Ferrari S.A. ("Serge Ferrari") hereby provides a five (5) year limited warranty for the Ferrari architectural fabrics Précontraint® 502 and 702 (specification sheets here enclosed).

**A) COMPLIANCE WITH SPECIFICATIONS** – Serge Ferrari warrants that the products shall, at the time of delivery at Ferrari's plant of manufacture, meet all technical specifications stated in the published Serge Ferrari data sheet.

**B) TENSILE STRENGTH** – Serge Ferrari warrants that the products shall retain at least 70% of their tensile strength for a period of five (5) years following delivery of the products by our authorized distributors.

**C) FLAME RETARDANCY AND WATERPROOFING** – Ferrari warrants that the products shall remain flame retardant and waterproof for a period of five (5) years following the delivery of the products by our authorized distributors.

Each of the above-described warranties is herein described collectively as the "LIMITED WARRANTY."

**SERGE FERRARI'S OBLIGATIONS UNDER LIMITED WARRANTY:** Serge Ferrari agrees to provide, to the extent and for the time period stated in the chart below, a percentage of the cost to repair or replace at Serge Ferrari's sole option, the products which may provide defective or otherwise fail to perform as stated above under normal use, maintenance and service, as determined by Serge Ferrari during the warranty period (a "Defect" or "Defective Product"), not to exceed the original sales price to the original purchaser of the Product. The customer must pay the remaining portion of any such costs of repair or replacement of a Defective Product.

PERCENTAGE OF SERGE FERRARI LIABILITY

Defect Occurring In	Percentage of Cost Assumed by Serge Ferrari	Defect Occurring In	Percentage of Cost Assumed by Serge Ferrari
1st Year	100%	4th Year	51%
2nd Year	80%	5th Year	41%
3rd Year	64%	6th Year	0%

**WARRANTY EXCLUSIONS:** This Limited Warranty does not apply to any product or any part thereof that, in the sole judgment of Serge Ferrari, (1) has been subject to misuse, neglect, alteration or accident, such as accidental damage to the exterior finish, or which has been subject to excess wear and tear, friction, scratches or perforations which exceed normal use; (2) has been exposed to harmful chemicals, abused by machinery, equipment or any person, exposed to excessive pressures or sources, exposed to abnormal weather conditions, falling objects, explosions, fire, floods, riots, civil commotion, exterior forces, faulty or inadequate installation, acts of war, radiation, harmful fumes or foreign substances in the atmosphere; (3) has been damaged during handling by the customer or other user or consumer of the Products, or which has been subjected to high atmosphere pollution, aggressive detergents, and aggressive cleaning; or (4) has been used in architectural structures not in accordance with accepted engineering standards or repaired or altered by anyone other than Serge Ferrari in any way so as, in Serge Ferrari's sole judgment, to affect the quality, efficiency or effectiveness of the Products. Serge Ferrari does not warrant any applied graphics.

Any claim made by a user of the Products under this Limited Warranty shall be made in writing by registered mail with acknowledgment of receipt to Serge Ferrari at the address listed below no later than thirty (30) days following the discovery of the alleged Defect. Failure to notify Serge Ferrari within thirty (30) days following the discovery of any Defect shall render this Limited Warranty null, void and of no legal effect with respect to that particular Defect. After notification of an alleged Defect, Serge Ferrari shall be entitled to inspect the Product in order to take appropriate steps for timely corrective measures. In the event Serge Ferrari representatives are denied the right to inspect the alleged Defect, this Limited Warranty shall be null, void and of no legal effect with respect to such Defect.

**LIMITATION OF WARRANTY: THIS LIMITED WARRANTY IS THE EXCLUSIVE WARRANTY WITH RESPECT TO THE PRODUCTS AND IS IN LIEU OF AND SUPERSEDES ALL OTHER REPRESENTATIONS OR WARRANTIES WHETHER WRITTEN OR ORAL, EXPRESSED OR IMPLIED. FERRARI EXPRESSLY DISCLAIMS ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THE SOLE AND EXCLUSIVE REMEDIES OF ANY PERSON RELATING TO THE PRODUCTS, AND THE FULL LIABILITY OF FERRARI FOR ANY BREACH OF THIS WARRANTY, ARE THOSE PROVIDED IN THIS LIMITED WARRANTY. ANY USER OF THE PRODUCTS HEREBY AGREES AND ACKNOWLEDGES THAT NO OTHER WARRANTIES ARE OFFERED OR PROVIDED IN CONNECTION WITH OR FOR THE PRODUCTS OR ANY PART THEREOF.**

**EFFECTIVENESS OF WARRANTY:** This Limited Warranty shall become effective upon the customer purchasing, receiving and paying for a warranted product. Should a warranty issue or claim be filed, the customer is under the obligation to provide the actual production batch number of the product appearing on the rolls and on the packing list to enable tracking of the material.

**LIMITATION OF LIABILITY:** Serge Ferrari shall not be liable for any loss of profits or revenue, loss of use of equipment or facility, cost of capital or for any other special, indirect, incidental or consequential damages of any nature resulting from or in any manner relating to the Products covered hereby, their design, use, any inability to use the same or any delay in the delivery of the same. THE SOLE AND EXCLUSIVE REMEDY WITH RESPECT TO ANY DEFECTIVE PRODUCTS SHALL BE THE REPAIR, CORRECTION OR REPLACEMENT THEREOF, PURSUANT TO THE FOREGOING PROVISIONS.

Should the Products prove so defective, however, as to preclude the remedying of warranted defects by repair or replacement, the customer's sole and exclusive remedy shall be the refund of the purchase price of the fabric, or part thereof which is defective, upon its return to Serge Ferrari.



The terms and provisions of this Limited Warranty shall be governed by, construed under and enforced in accordance with, the laws of France, without regard to Uniform United Nations Conventions.

Any questions, inquiries or claims under this Limited Warranty shall be directed to:

Tissage et Enduction Serge Ferrari S.A.  
B.P. 54  
38352 La Tour Du Pin Cedex  
France

#### The Serge Ferrari Group

Soltis® is a registered trademark of The Serge Ferrari Group.

## SheerWeave® Exterior

### 5-Year Exterior

#### Extended Limited Warranty

**What is Covered?** This warranty covers all colors of SheerWeave® Styles 1000, 2000, 2100, 2390, 2360, 2410, 2500, 2701, 2703, 2705, 2710, 3000, 4000, 4100, 4400, 4500, 4600, 4550, 4650, 4800 and 5000 when properly handled and installed for normal use in exterior systems. Phifer guarantees that, when delivered to our customer, Phifer SheerWeave will meet or exceed all of our specifications with regard to mesh configuration, dimension, strength and color. Phifer further guarantees that Phifer SheerWeave will not become nonfunctional because of changes in physical properties due to exposure to normal atmospheric conditions. This warranty does not cover damage to screen from any source nor does it cover gradual fading.

Any defects found with regard to mesh configuration, dimension, strength or color, that exist at the time of initial delivery, must be reported to Phifer within a reasonable period of time and before fabrication or installation of the material. Only full or partial rolls of Phifer SheerWeave may be returned to Phifer for replacement under this warranty except as provided in the following paragraph.

The Phifer SheerWeave mentioned above is covered by this warranty if the fabric becomes nonfunctional due to changes in physical properties. If the fabricated screen appears to be defective, it must be returned to Phifer without hardware or attachments to be inspected.

**How Long Is The Coverage Period?** The warranty against changes in physical properties is valid for a period of five (5) years.

**What Will Phifer Do?** Any Phifer SheerWeave found to be defective will be replaced, free of charge, with an equal quantity of Phifer SheerWeave fabric.

**THIS WARRANTY DOES NOT COVER THE COST OF LABOR OR OTHER CONSEQUENTIAL EXPENSES RELATED TO REMOVAL, RETURN OR REINSTALLATION OF PHIFER SHEERWEAVE.**

**THIS IS THE COMPLETE AND ONLY WARRANTY PROVIDED FOR PHIFER SHEERWEAVE. THERE ARE NO OTHER WARRANTIES, EXPRESS OR IMPLIED, FOR THIS PRODUCT.**

#### Phifer Inc.

SheerWeave® is a registered trademark of Phifer Inc.

## SheerWeave® Interior

### 10-Year Interior

#### Extended Limited Warranty

**What is Covered?** This warranty covers all styles of Phifer SheerWeave shading fabric when properly handled and installed for normal use as interior vertical window shading. Phifer guarantees that, when delivered to our customer, SheerWeave will meet or exceed all of our specifications with regard to mesh configuration, dimension, strength and color. Phifer further guarantees that SheerWeave will not become nonfunctional because of changes in physical properties due to exposure to normal atmospheric conditions. This warranty does not cover damage to the shading fabric from any source nor does it cover gradual fading.

Any defects found with regard to mesh configuration, dimension, strength or color, that exist at the time of initial delivery, must be reported to Phifer within a reasonable period of time and before fabrication or installation of the material. Only full or partial rolls of SheerWeave may be returned to Phifer for replacement under this warranty except as provided in the following paragraph.

Any SheerWeave fabric installed as a fabricated shade is covered by this warranty if the fabric becomes nonfunctional due to changes in physical properties. If the fabricated shade appears to be defective, it must be returned to Phifer without hardware or attachments to be inspected.

**How Long Is The Coverage Period?** The warranty against changes in physical properties is valid for a period of ten (10) years.\*

**What Will Phifer Do?** Any SheerWeave found to be defective will be replaced, free of charge, with an equal quantity of SheerWeave fabric.

**THIS WARRANTY DOES NOT COVER THE COST OF LABOR OR OTHER CONSEQUENTIAL EXPENSES RELATED TO REMOVAL, RETURN OR REINSTALLATION OF SHEERWEAVE FABRIC.**

**THIS IS THE COMPLETE AND ONLY WARRANTY PROVIDED FOR PHIFER SHEERWEAVE FABRIC. THERE ARE NO OTHER WARRANTIES, EXPRESS OR IMPLIED, FOR THIS PRODUCT.**

\*SheerWeave Infinity and Styles 7000, 7300, 7350 and 7500 carry a five (5) year warranty.

#### Phifer Inc.

SheerWeave® is a registered trademark of Phifer Inc.

## Showtime® II

### 2-Year

Showtime® Event Fabrics are guaranteed for a period of two (2) years from date of original installation against rot or excessive deterioration, mildew stains, excessive loss of strength or color change if they occur in normal use and exposure, including sunlight and normal atmospheric chemicals. (Some color change is unavoidable due to ultraviolet rays and chemicals in the atmosphere.)

In the unlikely event of failure of fabric during the two (2) year period from date of original installation, we will supply you, the original owner or the provider of your protective fabric accessories with replacement fabric at no charge.

This warranty protects you against damage to the fabric accessories used under normal conditions. It does not cover damage to the fabric from acts of God, vandalism, neglect or improper use.

**This warranty is in lieu of all warranties expressed or implied, and, Herculite Products Inc. will not be liable for any consequential or incidental damage. Any implied warranties imposed by law are limited in time to the duration of the expressed warranty.**

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damage, so, the above

FABRIC **WARRANTY INFORMATION**

limitation or exclusion may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

**Herculite Products Inc.**  
Showtime® and Herculite® are registered trademark of Herculite Products Inc.

**SolaMesh®**

**10-Year**

SolaMesh® limited warranty: Trivantage® stands behind our fabrics with a guarantee that's designed to support our customers. SolaMesh has a 10 year-limited warranty when used in its intended purposes; shade structures and similar installations.

This warranty applies to the original purchaser of SolaMesh fabric and protects against SolaMesh fabric becoming unserviceable due to strength loss from normal usage and exposure conditions, including sunlight, mildew and atmospheric chemicals. Loss of color can occur when exposed to UV light and is not covered by the warranty.

This warranty covers SolaMesh fabric only. This warranty does not cover normal care and cleaning; damage from misuse or abuse; improper installation; or costs associated with replacement of the fabric, including labor and installation. Glen Raven's liability is expressly limited to this warranty. Glen Raven reserves the right to inspect the fabric submitted for claim. Glen Raven will supply new equivalent fabric to replace the fabric that becomes unserviceable.

SolaMesh® is a registered trademark of Glen Raven, Inc.

**Solarpro™**

**5-Year Limited Warranty**

**Limited Warranty for SOLARPRO™**

SOLARPRO™ ("fabric") is designed as a general purpose cover fabric for agricultural and horticultural purposes.

**Limited Warranty**

Polyfab USA LLC ("Polyfab") warrants to the initial purchaser of the fabric that the fabric will not suffer from abnormal deterioration from ultra violet exposure for a period of 5 years from the date of installation. The term abnormal deterioration means deterioration exceeding 30% of the fabric's original strength for each year over the 3-year warranty period, and does not include normal wear and tear. If the fabric does suffer from abnormal deterioration during the 3-year warranty period, Polyfab will, at its option, either replace the fabric or supply equivalent fabric, or pay to the initial purchaser the cost of replacing the fabric or of acquiring equivalent fabric on the following pro-rata basis:

- 1st year 100% of the original fabric purchase price
- 2nd year 70% of the original fabric purchase price
- 3rd year 40% of the original fabric purchase price
- 4th year 25% of the original fabric purchase price
- 5th year 10% of the original fabric purchase price

POLYFAB UNDERTAKES NO RESPONSIBILITY FOR THE QUALITY OF THE FABRIC EXCEPT AS OTHERWISE PROVIDED HEREIN. THERE IS NO IMPLIED WARRANTY THAT THE FABRIC SHALL BE MERCHANTABLE. POLYFAB ASSUMES NO RESPONSIBILITY THAT THE FABRIC WILL BE FIT FOR ANY PARTICULAR PURPOSE FOR WHICH YOU MAY BE BUYING THE FABRIC, EXCEPT AS OTHERWISE PROVIDED HEREIN. THERE IS NO IMPLIED WARRANTY THAT THE FABRIC SHALL BE FIT FOR ANY PARTICULAR PURPOSE. YOU ACKNOWLEDGE THAT YOU ARE NOT RELYING ON POLYFAB'S SKILL OR JUDGMENT TO SELECT OR FURNISH THE FABRIC SUITABLE FOR ANY PARTICULAR PURPOSE AND THAT THERE IS NO WARRANTY WHICH EXTENDS BEYOND THAT PROVIDED HEREIN.

**Exclusions and Product Disclaimers**

This limited warranty does not cover, and Polyfab is not liable for, abnormal deterioration of fabric occurring due to any of the following circumstances:

- Exposure to pollution, chemicals, solvents, cleaning agents or other substances that are harmful to the performance of the fabric.
- Faulty installation of the fabric or faulty design or manufacture of any structure to which the fabric is attached.
- Improper storing, handling, bracing, use of the fabric or use contrary to the specifications for the fabric.
- Color fading. Color fading is normal over time. Fabric colors containing red or yellow pigments have a tendency to fade more than others. Color Fading is not abnormal deterioration or a loss of strength/breakdown and is not covered by this warranty.
- Minor color variation from fabric samples.
- Minor visual imperfection due to the manufacturing processes.
- The negligent act or omission of any person.
- Misuse, neglect or abuse of the fabric.
- During installation, the fabric should not be subject to "pre-stressed" loading in excess of 20%.
- Wind flap and storm damages are major causes of abnormal deterioration and premature breakdown in any quality outdoor fabric. It is therefore critical that the fabric be installed firm and tight and maintained in a firm condition. Fabric that is allowed to flap and cause rubbing and abrasion as a result of excessive and continual wind flap or storm damage on structural poles and support wires is mechanical breakdown and not covered by this warranty.
- The fabric should be supported by using appropriate strength poles and footings as determined by a professional structural engineer, and fabricated and installed by a qualified contractor in accordance with local building codes.
- Technical testing information supplied by Polyfab is sourced from third-party testing authorities, and tolerances may vary by as much as 10%.

**Limitation of Liability**

Polyfab's obligations and liabilities are expressly and exclusively limited to those set forth herein. EXCEPT AS OTHERWISE PROVIDED FOR HEREIN, POLYFAB SHALL NOT BE LIABLE FOR DIRECT, INDIRECT, INCIDENTAL, CONSEQUENTIAL, OR SPECIAL DAMAGES, INCLUDING LOSS OF PROFITS OR OTHER COMMERCIAL LOSSES, INCLUDING CLAIMS BASED ON NEGLIGENCE OR STRICT LIABILITY. IN THE EVENT POLYFAB IS FOUND TO BE LIABLE FOR ANY DAMAGE OR LOSS RELATED TO THE FABRIC, SUCH LIABILITY SHALL BE LIMITED TO THE ORIGINAL PURCHASE PRICE OF THE FABRIC.

**Claims Procedure**

All claims under this limited warranty must be made in writing, within 30 days from the date upon which the defect became known to the initial purchaser, to Polyfab USA LLC, 1601 N. Sepulveda Blvd. #392, Manhattan Beach, CA 90266. Claims must be supported by a sample of the defective fabric together with proof of purchase, including the date and location of fabric purchase, and photos of the finished installation.

**POLYFAB AUSTRALIA Pty. Ltd.**  
Solarpro™ is a trademark of Polyfab USA.

# Stamoid® Marine Fabrics

5-Year

## Five Year Limited Warranty

### I. WARRANTY

STAMOID® MARINE FABRICS are warranted for a period of five (5) years from the date of purchase against extreme loss of color or strength from sunlight and other normal exposure conditions subsequent to normal use when properly maintained according to Stamoid recommendations.

- Breaking strength at least equal to 85% of its original value.
- Tear strength at least equal to 85% of its original value
- Uniform color degradation with the same exposure conditions
- Water-proofness

### II. EXCLUSIONS

This warranty does not cover labor installation and fabrication work by the fabricator/dealer or damage caused by use or care of the product contrary to the use and care instructions listed below. The warranty is void if the nature of the complaint(s) come(s) from:

- Degradation due to inadequate transportation, storage, handling or malevolent degradation.
- Misuse of STAMOID® MARINE FABRICS for applications not intended for each specific product as detailed in the Stamoid Marine Brochure.
- Inadequate usage.
- Consequence of chemical or abrasion action or harsh environmental conditions.
- Inadequate maintenance. See item IV. Care and maintenance below.

### III. CONDITIONS OF WARRANTY APPLICATION

This warranty starts on the delivery date of the STAMOID® MARINE FABRIC to the customer. Warranty is applicable only if the nature of the complaint is communicated by registered courier with notification of reception by Serge Ferrari N.A., in a maximum lead time of 30 calendar days after its appearance. The invoice for the fabric must be fully paid before registration of any claim can be made.

If the material was not purchased directly from Serge Ferrari N.A., the claim will be registered with the wholesale distributor or converter that actually supplied the STAMOID® MARINE FABRICS.

If the fabric becomes unserviceable within the terms of this warranty, Serge Ferrari N.A. will supply replacement STAMOID® MARINE FABRIC free of charge. This warranty does not cover labor and installation supplied by the dealer.

### IV. Care and Maintenance

Regular cleaning and topcoat protectant application is required to ensure long life of the product. Stamoid recommends the use of IMAR Brand 'Stamoid' Marine Fabric cleaning and protectants products. Normal schedule of care is quarterly, while harsh environmental locations (extreme UV or caustic airborne particulate) will require more frequent care. In no circumstances should non-neutral pH or abrasive products be applied to Stamoid.

#### **The Serge Ferrari Group.**

Stamoid® is a registered trademark of The Serge Ferrari Group.

# Strataglass®

2-Year

## TWO YEAR Limited Warranty

STRATAGLASS Composite Marine Sheets are guaranteed for a period of two (2) years from the original date of manufacture against defects found upon inspection, during fabrication or during marine enclosure use.

In the unlikely event of a STRATAGLASS failure during the two (2) year period, we will supply you, the original owner or provider, with replacement STRATAGLASS marine sheets at no charge providing the following conditions are met:

- 1) The owner or provider must register the purchase online and obtain a Warranty Registration Number to verify proof of purchase. This Warranty Registration Number must be provided to process a warranty claim.
- 2) The owner or provider must properly clean and maintain the Strataglass product during use according to manufacturer's instructions.
- 3) The owner or provider must return defective sheets or representative samples of the defect to the manufacture for inspection, testing and warranty validation.

Warranty validation will be at the sole discretion of STRATAGLASS LLC. All warranty claims will be considered on an individual basis. This warranty does not cover labor or any additional costs associated with the replacement.

STRATAGLASS must be properly cleaned and maintained using only authorized cleaning products and methods. Care and maintenance instructions are provided on the Care and Maintenance Data Sheet or can be found on the STRATAGLASS Website: [www.strataglass.com/strataglass-care-and-maintenance](http://www.strataglass.com/strataglass-care-and-maintenance). Failure to properly clean and maintain your STRATAGLASS enclosure panels will void your warranty.

### **YOU MUST REGISTER YOUR PURCHASE TO BE COVERED BY THIS LIMITED WARRANTY**

Please register your purchase of Strataglass within thirty (30) days of final installation by registering online at [www.strataglass.com/registration](http://www.strataglass.com/registration). You must provide proof of purchase and obtain/retain a Warranty Registration Number.

This Limited Warranty is subject to the following:

- This Limited Warranty only applies to properly maintained STRATAGLASS Marine Sheets, which have been registered online at [www.strataglass.com/registration](http://www.strataglass.com/registration). Under no circumstances, at any time will STRATAGLASS be liable for labor or additional costs other than the STRATAGLASS sheet itself
- This Limited Warranty does not apply to any product or any part thereof that, in the sole judgement of STRATAGLASS LLC, have been subjected to misuse, alteration, aggressive cleaning, aggressive detergents, accidental damage to the surface, Acts of God, abused by machinery, excess wear and tear, abnormal weather conditions, exposure to harmful chemicals, falling objects, friction, explosion, fire, flood, riots, civil commotion, drones, neglect, scratches, perforations, damaged during handling or fabrication, subjected to unusual atmospheric pollution, Is used or fabricated in a manner inconsistent with recommended care and maintenance instructions of STRATAGLASS LLC. This includes but is not limited to handling and stacking of sheets, exposure to certain fluids, and chemicals or cleaners not approved by STRATAGLASS. Or becomes defective as a result of failure(s) of related products for which STRATAGLASS LLC. Is not responsible.
- This limited warranty is the exclusive warranty with respect to the products, is in lieu of, and supersedes all other representation or warranties, whether written or oral, express or implied. STRATAGLASS LLC. Expressly disclaims any implied warranties of merchantability of fitness for a particular purpose. The sole and exclusive remedies of any person relating to the products and the full liability of STRATAGLASS LLC. for any breach of this warranty are those provided in this limited warranty and user of the products hereby agrees and acknowledges that no other warranties are offered or provided in connection with or for the products or any part thereof.



- STRATAGLASS LLC. shall not be liable for any loss of profits or revenue, loss of use of equipment or facility, cost of capital or for any other special, indirect, incidental or consequential damages of any nature resulting from on in any manner relating to the products covered hereby, their design use, any inability to use the same or any delay in the delivery of the same. The sole and exclusive remedy with respect to any defective product shall be the repair, correction or replacement thereof pursuant to the forgoing provisions
- The terms and provisions of this Limited Warranty shall be governed by the laws of the State of Florida without regard to Uniform United Nations Conventions.
- This warranty is not transferrable.

**Strataglass LLC**

Strataglass® is a registered trademark of Aberdeen Road Company.

## Sunbrella®

### Coverage Varies By Product Line

Sunbrella limited warranty. We stand behind our fabrics with a guarantee that's the best in the industry: a 5-year limited warranty for upholstery, specialty fabrics and decorative shade fabrics and a 10-year limited warranty for shade and marine fabrics.

### 5 YEAR LIMITED WARRANTY

Covers Sunbrella Upholstery Fabrics, Sunbrella Alloy, Sunbrella Clarity, Sunbrella Contour, Sunbrella Fundamental, Sunbrella Plus, Sunbrella SeaMark, Sunbrella Supreme and Sunbrella Unity.

### 10 YEAR LIMITED WARRANTY

Covers Sunbrella Shade and Marine Fabrics.

Performance improvements introduced on November 1, 2008 allowed Glen Raven to increase the warranty period for Sunbrella fabrics. For installations on or after November 1, 2008, the warranty coverage period is 10 years from the original purchase date. Glen Raven will provide replacement fabric at no cost during years one through eight. In the ninth year, Glen Raven will refund 85% of the original cost of the fabric, and in the tenth year, refund 70% of the original cost of the fabric.

This warranty applies to the original purchaser of Sunbrella fabric and protects against Sunbrella fabric becoming unserviceable due to color or strength loss from normal usage and exposure conditions, including sunlight, mildew and atmospheric chemicals.

This warranty covers Sunbrella fabric only. This warranty does not cover normal care and cleaning; damage from misuse or abuse; improper installation; or costs associated with replacement of the fabric, including labor and installation. Glen Raven's liability is expressly limited to this warranty. Glen Raven reserves the right to inspect the fabric submitted for claim. Glen Raven will supply new equivalent fabric to replace the fabric that becomes unserviceable.

### Glen Raven Custom Fabrics, LLC

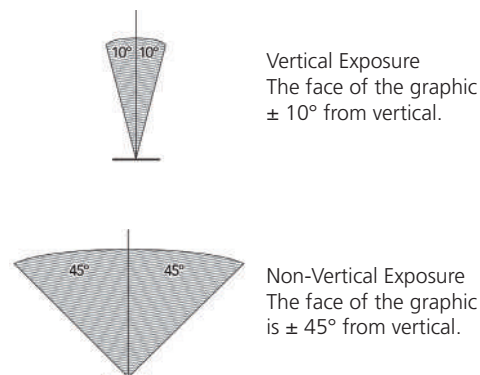
Sunbrella® is a registered trademark of Glen Raven, Inc.

## Sunbrella® Graphics System

### Limited Warranty

**What is Covered?** The SGS Thermal Film warranty covers Trivantage® SGS Thermal film (SGS Thermal Digital Print film) applied to Glen Raven acrylic fabrics\*, from loss of color, strength or adhesion of film to fabric from normal exposure conditions, including sunlight, mildew, rot and atmospheric chemicals. The warranty does not apply to printed images on the film. Graphics must be installed on a static fabric surface in order for the graphics adhesion warranty to apply. SGS Thermal films are covered up to 5 years on vertical and 3 years on for a non-vertical exposure. (See diagrams below).

### GRAPHIC EXPOSURE DEFINITIONS



The SGS Warranty is exclusively available from Trivantage to Certified SGS Manufacturers who have purchased the film and the fabric through Trivantage. The manufacturer agrees to keep detailed records of each project for the duration of the warranty period. The SGS warranty runs from the date of original installation. Warranty claims can be initiated by calling Trivantage customer service at 800-786-7608. Trivantage will supply you with replacement fabric and film after verification that the claim is justified.

**WHAT IS NOT COVERED?** The warranty does not cover frames, labor or installation provided by the manufacturer. The warranty does not cover the performance of ink which has been printed or screened onto the film.

This warranty does not cover damage caused by vandalism, cleaning solutions, paints, solvents, eradicable or other strong chemicals, pressure washing equipment, mechanical washing equipment that subjects the graphic to frequent abrasive scouring action, engine fuels, engine exhaust, steam, oil, grease, tree sap, fire, structural failure, lightning or other natural forces or acts of God.

\*(Sunbrella, Sunbrella Clarity, Sunbrella Plus, Sunbrella Unity, Firesist, Dickson Orchestra)

This warranty gives you specific legal rights and you may also have other rights that vary state to state. Glen Raven makes no warranty of fitness for any particular purpose whatsoever with respect to the goods being sold. There are no warranties, express or implied, which extend beyond the description on the face of this agreement.

### Trivantage, LLC

Sunbrella® is a registered trademark of Glen Raven, Inc.

## Sunbrella® Inkjet White

### 3-Year

**What is covered?** This warranty covers Sunbrella Inkjet White from becoming unserviceable because of loss of color or strength from normal exposure conditions, including sunlight, mildew, rot, and atmospheric chemicals. It does not cover graphics printed on the fabric or labor and installation provided by the dealer.

**How long is the coverage period?** The warranty runs for three years from the date of original installation. What will Glen Raven do? Glen Raven will supply new fabric free of charge to replace the fabric, which becomes unserviceable.

**How can you get service?** Call the dealer from whom you purchased the product to inspect the installation. The dealer will call Glen Raven and secure replacement fabric for you.

**How does state law apply?** This warranty gives you specific legal rights and you may have other rights, which vary from state to state.

#### Glen Raven Custom Fabrics, LLC

Sunbrella® is a registered trademark of Glen Raven, Inc.

## Sunbrella® SeaMark®

### 5-Year

#### Limited Warranty

Sunbrella SeaMark carries the Sunbrella fabric limited five-year warranty. This warranty covers the face fabric becoming unserviceable because of loss of color or strength from normal exposure to conditions including sunlight, mildew, rot and atmospheric chemicals. It does not cover labor and installation supplied by the dealer.

#### Glen Raven Custom Fabrics, LLC

Sunbrella® and SeaMark® are registered trademarks of Glen Raven, Inc.

## SunTex® 80 and 90

### 10-Year Exterior

#### Extended Limited Warranty

**What is Covered?** This warranty covers SunTex® when properly handled and installed for normal use as exterior fixed screening. SunTex is also covered by this warranty for use in retractable roller systems. Phifer guarantees that, when delivered to our customer, Phifer Sun Control Products will meet or exceed all of our specifications with regard to mesh configuration, dimension, strength and color. Phifer further guarantees that Phifer Sun Control Products will not become nonfunctional because of changes in physical properties due to exposure to normal atmospheric conditions. This warranty does not cover damage to screen from any source nor does it cover gradual fading.

Any defects found with regard to mesh configuration, dimension, strength or color, that exist at the time of initial delivery, must be reported to Phifer within a reasonable period of time and before fabrication or installation of the material. Only full or partial rolls of Phifer Sun Control Products may be returned to Phifer for replacement under this warranty except as provided in the following paragraph.

The Phifer Sun Control Products mentioned above are covered by this warranty if the fabric becomes nonfunctional due to changes in physical properties. If the fabricated screen appears to be defective, it must be returned to Phifer without hardware or attachments to be inspected.

**How Long Is The Coverage Period?** The warranty against changes in physical properties is valid for a period of ten (10) years.

**What Will Phifer Do?** Any Phifer Sun Control Product found to be defective will be replaced, free of charge, with an equal quantity of Phifer Sun Control fabric.

**THIS WARRANTY DOES NOT COVER THE COST OF LABOR OR OTHER CONSEQUENTIAL EXPENSES RELATED TO REMOVAL, RETURN OR REINSTALLATION OF PHIFER SUN CONTROL PRODUCTS.**

**THIS IS THE COMPLETE AND ONLY WARRANTY PROVIDED FOR PHIFER SUN CONTROL PRODUCTS. THERE ARE NO OTHER WARRANTIES, EXPRESS OR IMPLIED, FOR THIS PRODUCT.**

#### Phifer Inc.

SunTex® is a registered trademark of Phifer Inc.

## Sur Last®

### 3-Year

This limited warranty is valid only if a copy of the invoice for the item purchased is submitted showing date of original purchase.

**What is covered?** This limited warranty covers the fabric becoming unserviceable because of loss of color or strength from normal usage and exposure conditions, including sunlight, mildew and atmospheric chemicals. Consumer is responsible for normal care and cleaning of the fabric. The warranty covers fabric only. Glen Raven's liability is expressly limited to this warranty.

**How long is the coverage period?** This limited warranty coverage runs for three years from the date of original installation.

**What will Glen Raven do?** Glen Raven will supply new fabric free to replace the fabric that becomes unserviceable.

**How can you get service?** Call the dealer or retailer from whom you purchased the product to inspect the claim. They, in turn, will contact the manufacturer of the item purchased. The manufacturer will then contact Glen Raven and secure replacement fabric for you.

#### Glen Raven Custom Fabrics, LLC

Sur Last® is a registered trademark of Glen Raven, Inc.

## Textilene® 90 and 95

### 10-Year

Twitchell Technical Products, LLC produces durable, all weather fabrics that are unmatched for quality and durability. Textilene® 90 and Textilene® 95 brand fabrics are covered by a 10 year limited warranty on commercial applications from the original date of purchase against defects of workmanship and materials, and/or excessive loss strength from normal exposure conditions, including sunlight, rot, mildew, or atmospheric chemicals that might render it unserviceable. **This warranty is extended only to the original purchaser of the material.**

If the product has been subject to damage, neglect, unreasonable or improper use or care, exposure to corrosive chemicals, accidents, vandalism, acts of God, or other causes not arising from defects in original material or workmanship, this warranty is void. Twitchell does not endorse or certify end uses and customers must test the fabrics for their specific applications.

In the unlikely event that the fabric should fail during the warranty period, Twitchell will issue a credit or replace the fabric at Twitchell's discretion. A copy of the original purchase order must accompany all warranty claims. Twitchell is liable for the cost of the fabric only and does not accept responsibility for any other costs associated with a company's specific application.

FABRIC WARRANTY INFORMATION

Any defects found in regard to fabric construction, color, strength, or dimension that exist at the time of delivery must be reported to Twitchell in a reasonable period of time and before any fabrication or alteration of the fabric.

Proper care includes regular cleaning. We recommend cleaning your fabric at least twice annually for residential applications and more often for high traffic areas or contract applications.

**Twitchell Corporation**  
Textilene® is a registered trademark of Twitchell Corporation

Triton®

3-Year

Limited Warranty

Triton®, a registered trademark of Glen Raven, Inc, is warranted for a period of three years from the date of the original installation against excessive loss of color or strength from normal exposure conditions including sunlight, mildew, rot and normal atmospheric chemicals which may render the fabric unserviceable. This warranty does not cover damage from Acts of God, vandalism, neglect or improper use.

In the unlikely event of fabric failure during the warranty period, Graniteville Specialty Fabrics will supply you, the end consumer, new fabric free of charge working through Trivantage and your dealer. Labor and installation are not covered by this warranty. Graniteville Specialty Fabrics reserves the right to inspect the fabric or made up item of any warranty claim.

**Except for the explicit warranties, herein, no other warranty, expressed or implied, including any implied warranty of merchantability of fitness for a particular use is made by Graniteville Specialty Fabrics. In no event shall Graniteville Specialty Fabrics be liable for damages to any person or property, or any consequential or incidental damages.**

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of consequential or incidental damage, so, the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights and you may have other rights which vary from state to state.

To get service, call the dealer from whom you purchased the product. The dealer will inspect the installation and process the claim through Trivantage, LLC and Graniteville Specialty Fabrics.

**Graniteville Specialty Fabrics**  
Triton® is a registered trademark of Glen Raven, Inc.

Weathertyte® Plus

8-Year

8 Year Limited Warranty

Terms:  
Cooley Sign & Awning Products (CSP) warrants that Weathertyte standard colors, when used in a frontlit awning application, and when fabricated, installed and maintained according to instructions, will perform and provide outdoor weatherability (1) from the date of sign or awning fabrication and (2) under normal exposure conditions provided that the Cooley and other materials<sup>3</sup> are properly stored and are applied within two years<sup>2</sup> of the original shipment date from Cooley. This warranty is contingent on the Cooley material being processed in accordance with Cooley Group's recommended written processing instructions, and being applied to properly prepared surfaces and cleaned and maintained in accordance with recommended Cooley's application procedures. Projects of 10 or more awnings require registration. Certification of fabrication techniques may be required by a Cooley Group representative. To register, call the Cooley Sign & Awning Customer Service at 1-800-992-0072.

"Outdoor Weatherability" for the purpose of this warranty is defined as no appreciable deterioration in the product when viewed from its intended viewing distance. Premature failure due to cracking, crazing, blistering, blowout<sup>6</sup> or loss of adhesion shall constitute a breach of warranty if it occurs during the warranty

period. Replacement substrate and graphics will be warranted for the period corresponding to the remaining warranty period of the original failed material. Slight color change, fading, chalking, edge lifting, or slight reduction in gloss will not materially detract from appearance and does not constitute a breach of warranty. In the event a breach of warranty occurs as defined above, Cooley Group's sole liability is outlined below.

A. Warranty Against Fabrication Failure

Replacement of Cooley material and decoration film in an amount equal to the value of the materials that failed during fabrication. It is the sign or awning manufacturers responsibility to perform incoming raw material quality inspections, to implement appropriate manufacturing process controls including in-process testing, retain converted samples, and to immediately cease using and notify Cooley of any materials deemed defective.

B. Warranty Against Field Performance Failure

Years 1-5 (full material replacement):

For a period of five (5) years from the date of original installation. If the material does not perform under the above conditions, Cooley will supply to the awning company sufficient Weathertyte material to produce a new duplicate awning. This warranty is for fabric only and does not cover frames, labor, or installation provided by the manufacturer. This limited warranty is valid only if a copy of the invoice for the item purchased is submitted showing date of original purchase.

Years 6-8 (prorated material allowance):

If a material fails to perform in years 6-8, Cooley Sign & Awning will provide an allowance for the defective Cooley and associated decoration material used in remanufacture of the defective sign or awning calculated using the following formula:

Allowance = A x ( 96 - B )  
96

Where A = Value of replacement materials<sup>4</sup>  
B = Number of months since manufacture  
or shelf-life expiration date

where A= Value of replacement materials<sup>4</sup>, B= Number of months since manufacture or shelf-life expiration date.

C. Decoration

Cooley Sign & Awning Products further warrants that approved pressure sensitive vinyl, when applied to Weathertyte by the approved application methods, will not peel off under normal weathering conditions for a period of for 5 years for vertical exposure, and 3 years for non-vertical exposure in most of the United States and Canada, and three years for vertical and two years for non-vertical exposure in the Desert Southwest (Arizona, New Mexico, and desert areas of California, Nevada, Utah, and Texas.). If the pressure sensitive vinyl should peel off under the above conditions, Cooley Sign & Awning Products will supply new material to restore the awning at the then current price prorated (1/60) for each month remaining in the original warranty period.

The foregoing is not applicable to awnings which have been damaged by chemicals, airborne particles or dirt, bird droppings, or water run-off, nor to awnings damaged by willful neglect or negligent mishandling, nor to awnings which excessively fade or discolor due to use of non-recommended decorating techniques. Cooley's liability under the warranty is limited to replacement as stated herein and Cooley will have no liability for any indirect or consequential expenses or losses.

This warranty is given in lieu of all other warranties expressed or implied and constitutes Cooley's sole eight (8)-year warranty for Weathertyte when used for frontlit awnings.

Notification of Claim

This Cooley Warranty requires that Cooley Sign & Awning be notified in writing of any claims within twenty one (21) days of material failure. Claim notifications must include name and lot numbers for Cooley material and films, report of fabrication procedures, in-process test results, finished retain samples, installation date and location, name of sign or awning manufacturer, and any other pertinent information requested by Cooley. The Cooley Group reserves the



right to inspect all reported claims. Failure to comply constitutes a waiver of all rights under this Cooley Warranty.

The Cooley Group has no obligations under this warranty with respect to products that have been modified or damaged through misuse, abuse, accident, neglect or mishandling by Purchaser or Purchaser's customer. For example, unless specifically claimed in an Cooley Product or Bulletin, materials are not warranted against premature failure caused by chemical or mechanical means such as, but not limited to, vandalism, cleaning solutions, paints, solvents, mechanical washing equipment, engine fuel spills, engine exhaust, steam, organic solvents or other spilled chemicals. Substrates and films applied to unsound sign or awning boxes for frames or surfaces that subsequently rust, crack, peel, outgas, or become damaged beneath the flexible material are not warranted for performance. Damage from fire, structural failure, lightning, and other force majeure events are not covered.

#### Unintended Use of Products

Cooley products covered by this warranty are intended only for use by professional users and only for the intended uses as described in the corresponding Cooley Product Brochures. Before using for any other application, user shall determine the suitability of the product for its intended use and user assumes all risk and liability in connection therewith.

NO EXPRESS WARRANTIES AND NO IMPLIED WARRANTIES, WHETHER OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR USE, OR OTHERWISE, EXCEPT AS SET FORTH ABOVE (WHICH IS MADE EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES) SHALL APPLY TO THE PRODUCTS DESCRIBED HEREIN. THE COOLEY GROUP SPECIFICALLY DISCLAIMS AND EXCLUDES ALL OTHER SUCH WARRANTIES. NO WAIVER, ALTERATION, ADDITION OR MODIFICATION OF THE FOREGOING SHALL BE VALID UNLESS MADE IN WRITING AND SIGNED BY AN AUTHORIZED REPRESENTATIVE OF THE COOLEY GROUP.

IN NO EVENT SHALL THE COOLEY GROUP BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES INCLUDING, BUT NOT LIMITED TO, LOSS OF PROFIT, LOSS OF USE OR PRODUCTION OR LOSS OF CAPITAL. THE COOLEY GROUP'S LIABILITY ON ANY CLAIM OF ANY KIND SHALL IN NO CASE EXCEED THE AMOUNT EXPRESSLY PROVIDED FOR IN THIS WARRANTY. THIS LIMITATION APPLIES REGARDLESS OF WHETHER THE DAMAGES ARE SOUGHT BASED ON BREACH OF WARRANTY, BREACH OF CONTRACT, NEGLIGENCE, STRICT LIABILITY IN TORT, OR ANY OTHER LEGAL THEORY.

(1) Some products are warranted for less years depending on the color and the location of the final sign or awning installation. Refer to the Cooley Zone Warranty for details.

(2) Cooley Sign & Awning products have a 2 year shelf life from date of sale from Cooley to the customer. In the event that a material exceeds its shelf life, Cooley's warranty period will be calculated from the shelf line expiration date or the date of installation, whichever is less.

(3) Refer to the Cooley Group website for approve pressure sensitive films, paints, etc.

(4) Current exchange rates will be used to settle all international claims.

(5) If the stated durability of the decoration materials differs from that of the Cooley material the finished sign or awning will be warranted for a period equal to the stated durability of the least durable component.

(6) If the sign face is properly installed and maintained and within the warranty period the sign face should be destroyed or severely damaged by a "blowout" (defined as a separation of a sign face from its cabinet due to wind pressure which does not affect the display cabinet or structure), and when such "blowout" is caused solely and completely by failure of CSP sign face materials, and not in whole or part by improper workmanship, installation, materials, nor bending or twisting of the display cabinet, attachment devices, or structure, nor to the vandalism or malicious mischief, hurricanes, tornadoes, gales or other acts of God, Cooley will provide an allowance in accordance with this warranty.

(7) Cooley Sign & Awning Products approved cleaning products and procedures are printed in Technical Bulletin #105.

(8) Cooley Sign & Awning Products will have no obligation under this warranty until all bills have been paid in full.

#### Cooley Sign & Awning Products

Weathertyte® is a registered trademark of Cooley, Inc.

## Weathertyte® Plus Lite

### 5-Year

#### 5 Year Limited Warranty

##### Terms:

Cooley Sign & Awning Products (CSP) warrants that Weathertyte Lite standard colors, when used in a frontlit awning application, and when fabricated, installed and maintained according to instructions, will perform and provide outdoor weatherability<sup>1</sup> from the date of sign or awning fabrication and<sup>2</sup> under normal exposure conditions provided that the Cooley and other materials<sup>3</sup> are properly stored and are applied within two years<sup>2</sup> of the original shipment date from Cooley. This warranty is contingent on the Cooley material being processed in accordance with Cooley Group's recommended written processing instructions and being applied to properly prepared surfaces and cleaned and maintained in accordance with recommended Cooley's application procedures. Projects of ten (10) or more awnings require registration. Certification of fabrication techniques may be required by a Cooley Group representative. To register, call Cooley Sign & Awning Customer Service at 1-800-992-0072.

"Outdoor Weatherability" for the purpose of this warranty is defined as no appreciable deterioration in the product when viewed from its intended viewing distance. Premature failure due to cracking, crazing, blistering, blowout<sup>5</sup> or loss of adhesion shall constitute a breach of warranty if it occurs during the warranty period. Replacement substrate and graphics will be warranted for the period corresponding to the remaining warranty period of the original failed material. Slight color change, fading, chalking, edge lifting, or slight reduction in gloss will not materially detract from appearance and does not constitute a breach of warranty. In the event a breach of warranty occurs as defined above, Cooley Group's sole liability is outlined below.

#### A. Warranty Against Fabrication Failure

Replacement of Cooley material is an amount equal to the value of the materials that failed during fabrication. It is the responsibility of the sign or awning manufacturer to perform incoming raw material quality inspections, to implement appropriate manufacturing process controls including in-process testing, retain converted samples, and to immediately cease using and notify Cooley of any materials deemed defective.

#### B. Warranty Against Field Performance Failure - Years 1-5

Cooley will provide an allowance for the defective Cooley material used in remanufacture of the defective sign or awning, calculated using the following formula:

$$\text{Allowance} = A \times \left( \frac{60 - B}{60} \right) \quad \text{Where} \quad \begin{array}{l} A = \text{Value of replacement materials}^4 \\ B = \text{Number of months since manufacture} \\ \text{or shelf-life expiration date.} \end{array}$$

where A= Value of replacement materials<sup>4</sup>, B= Number of months since manufacture or shelf-life expiration date.

#### C. Decoration

Cooley Sign & Awning Products further warrants that approved pressure sensitive vinyl, when applied to Weathertyte Lite by the approved application methods, will not peel off under normal weathering conditions for a period for five (5) years for vertical exposure in most of the United States and Canada, and three years for vertical exposure in the Desert Southwest (Arizona, New Mexico, and desert areas of California, Nevada, Utah, and Texas.). If the pressure sensitive vinyl should peel off under the above conditions, Cooley Sign & Awning Products will supply new material to restore the awning at the then current price prorated (1/60) for each month remaining in the original warranty period.

## FABRIC WARRANTY INFORMATION

The foregoing is not applicable to awnings which have been damaged by chemicals, airborne particles or dirt, bird droppings, or water run-off, nor to awnings damaged by willful neglect or negligent mishandling, nor to awnings which excessively fade or discolor due to use of non-recommended decorating techniques. Cooley's liability under the warranty is limited to replacement as stated herein and Cooley will have no liability for any indirect or consequential expenses or losses.

This warranty is given in lieu of all other warranties expressed or implied and constitutes Cooley's sole five (5)-year warranty for Weathertyte Lite when used for frontlit awnings.

### D. Notification of Claim

This Cooley warranty requires that Cooley Sign & Awning Products be notified in writing of any claims within twenty- one (21) days of material failure. Claim notifications must include name and lot numbers for Cooley material and films, report of fabrication procedures, in-process test results, finished retain samples, installation date and location, name of sign or awning manufacturer, and any other pertinent information requested by Cooley. The Cooley Group reserves the right to inspect all reported claims. Failure to comply constitutes a waiver of all rights under this Cooley warranty.

The Cooley Group has no obligations under this warranty with respect to products that have been modified or damaged through misuse, abuse, accident, neglect or mishandling by Purchaser or Purchaser's customer. For example, unless specifically claimed in a Cooley product or bulletin, materials are not warranted against premature failure caused by chemical or mechanical means such as, but not limited to, vandalism, cleaning solutions, paints, solvents, mechanical washing equipment, engine fuel spills, engine exhaust, steam, organic solvents or other spilled chemicals. Substrates and films applied to unsound sign or awning boxes for frames or surfaces that subsequently rust, crack, peel, outgas, or become damaged beneath the flexible material are not warranted for performance. Damage from fire, structural failure, lightening, and other force majeure events are not covered.

### E. Unintended Use of Products

Cooley products covered by this warranty are intended only for use by professional users and only for the intended uses as described in the corresponding Cooley product brochures. Before using for any other application, user shall determine the suitability of the product for its intended use and user assumes all risk and liability in connection therewith.

NO EXPRESS WARRANTIES AND NO IMPLIED WARRANTIES, WHETHER OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR USE, OR OTHERWISE, EXCEPT AS SET FORTH ABOVE (WHICH IS MADE EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES) SHALL APPLY TO THE PRODUCTS DESCRIBED HEREIN. THE COOLEY GROUP SPECIFICALLY DISCLAIMS AND EXCLUDES ALL OTHER SUCH WARRANTIES. NO WAIVER, ALTERATION, ADDITION OR MODIFICATION OF THE FOREGOING SHALL BE VALID UNLESS MADE IN WRITING AND SIGNED BY AN AUTHORIZED REPRESENTATIVE OF THE COOLEY GROUP.

IN NO EVENT SHALL THE COOLEY GROUP BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES INCLUDING, BUT NOT LIMITED TO, LOSS OF PROFIT, LOSS OF USE OR PRODUCTION OR LOSS OF CAPITAL. THE COOLEY GROUP'S LIABILITY ON ANY CLAIM OF ANY KIND SHALL IN NO CASE EXCEED THE AMOUNT EXPRESSLY PROVIDED FOR IN THIS WARRANTY. THIS LIMITATION APPLIES REGARDLESS OF WHETHER THE DAMAGES ARE SOUGHT BASED ON BREACH OF WARRANTY, BREACH OF CONTRACT, NEGLIGENCE, STRICT LIABILITY IN TORT, OR ANY OTHER LEGAL THEORY.

(1) Some products are warranted for less years depending on the color and the location of the final sign or awning installation. Refer to the Cooley Zone Warranty for details.

(2) Cooley Sign & Awning products have a 2 year shelf life from date of sale from Cooley to the customer. In the event that a material exceeds its shelf life, Cooley's warranty period will be calculated from the shelf life expiration date or the date of installation, whichever is less.

(3) Refer to the Cooley Group website for approved pressure sensitive films, paints, etc.

(4) Current exchange rates will be used to settle all international claims.

(5) If the sign face is properly installed and maintained and within the warranty period and the sign face should be destroyed or severely damaged by a "blowout" (defined as a separation of a sign face from its cabinet due to wind pressure which does not affect the display cabinet or structure), and when such "blowout" is caused solely and completely by failure of CSP sign face materials, and not in whole or part by improper workmanship, installation, materials, nor bending or twisting of the display cabinet, attachment devices, or structure, nor to the vandalism or malicious mischief, hurricanes, tornadoes, gales or other acts of God, Cooley will provide an allowance in accordance with this warranty.

(6) Cooley Sign & Awning Products approved cleaning products and procedures are printed in Technical Bulletin #105.

(7) Cooley Sign & Awning Products will have no obligation under this warranty until all bills have been paid in full.

### Cooley Sign & Awning Products

Weathertyte® is a registered trademark of Cooley, Inc.

## Weblon® Coastline Plus®

### 5-Year

#### Limited Warranty

Coastline Plus Awning Fabrics are guaranteed for a period of five (5) years from date of original installation against rot or excessive deterioration, mildew stains, excessive loss of strength or color change if they occur in normal use and exposure, including sunlight and normal atmospheric chemicals. (Some color change is unavoidable due to ultraviolet rays and chemicals in the atmosphere.)

In the unlikely event of failure of fabric during the five (5) year period from date of original installation, we will supply you, the original owner or the provider of your protective fabric accessories with replacement fabric at no charge.

This warranty protects you against damage to the fabric accessories used under normal conditions. It does not cover damage to the fabric from acts of God, vandalism, neglect or improper use.

**This warranty is in lieu of all warranties expressed or implied, and, Herculite Products Inc. will not be liable for any consequential or incidental damage. Any implied warranties imposed by law are limited in time to the duration of the expressed warranty.**

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damage, so, the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights and you may also have other rights, which vary from state to state

### Herculite Products Inc.

Weblon® and Coastline Plus® are trademarks of Herculite Products Inc.

## Weblon® Regatta® Yacht Fabric

### 5-Year

#### Limited Warranty

Regatta Yacht Fabrics are guaranteed for a period of five (5) years from date of original installation against rot or excessive deterioration, mildew stains, excessive loss of strength or color change if they occur in normal use and exposure, including sunlight and normal atmospheric chemicals. (Some color change is unavoidable due to ultraviolet rays and chemicals in the atmosphere.)

In the unlikely event of failure of fabric during the five (5) year period from date of original installation, we will supply you, the original owner or the provider of your protective fabric accessories with replacement fabric at no charge.

This warranty protects you against damage to the fabric accessories used under normal conditions. It does not cover damage to the fabric from acts of God, vandalism, neglect or improper use.

**This warranty is in lieu of all warranties expressed or implied, and, Herculite Products Inc. will not be liable for any consequential or incidental damage. Any implied warranties imposed by law are limited in time to the duration of the expressed warranty.**

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damage, so, the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights and you may also have other rights, which vary from state to state.

**Herculite Products Inc.**

Weblon® and Regatta® are trademarks of Herculite Products Inc.

## Weblon® Vanguard®

### 8-Year

#### Limited Warranty

Vanguard Awning Fabrics are guaranteed for a period of eight (8) years from date of original installation against rot or excessive deterioration, mildew stains, excessive loss of strength or color change if they occur in normal use and exposure, including sunlight and normal atmospheric chemicals. (Some color change is unavoidable due to ultraviolet rays and chemicals in the atmosphere.)

In the unlikely event of failure of fabric during the eight (8) year period from date of original installation, we will supply you, the original owner or the provider of your protective fabric accessories with replacement fabric at no charge.

This warranty protects you against damage to the fabric accessories used under normal conditions. It does not cover damage to the fabric from acts of God, vandalism, neglect or improper use.

**This warranty is in lieu of all warranties expressed or implied, and, Herculite Products Inc. will not be liable for any consequential or incidental damage. Any implied warranties imposed by law are limited in time to the duration of the expressed warranty.**

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damage, so, the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights and you may also have other rights, which vary from state to state.

**Herculite Products Inc.**

Vanguard® is a trademark of Herculite Products Inc.







## ACCESSORIES

Sunbrella® Throws are an attractive and durable accessory to add to any space, indoors or out. Handwoven using Sunbrella performance yarns, Sunbrella Throws are the perfect addition to a patio, boat deck or home interior.







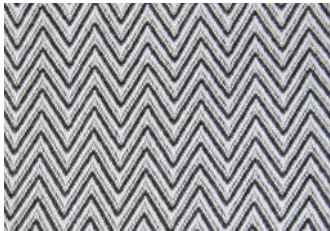
## Sunbrella® Throws

Sunbrella handwoven throw blankets deliver exceptional craftsmanship and comfort. Enjoy quality, endurance, and plush softness in every handwoven throw. Made with Sunbrella acrylic, the decorative throw blankets feature a soil, stain, and water-resistant coating. Fit for indoors or out, the material is fade repellent and easy to clean (even with bleach). Every throw is 44 x 72 inches with a 2-inch sewn fringe.

The warm, lightweight blankets are a great accessory piece. Use the throw blankets for couches, boats, commercial décor, indoor furniture, outdoor furniture, and more. In colors influenced from nature, they're available in high-depth patterns and solids. Pair with Sunbrella upholstery fabrics, marine fabrics, drapery, and pillows for smart design opportunities. Made in the USA.

Item #	Style #	Color	Size	Standard Package
670010	SV NBLA	Black / Natural Zig Zag	44 in. x 72 in. with 2 in. sewn fringe	1
670002	SCHEV NCAD	Cadet Grey / Natural Chevron	44 in. x 72 in. with 2 in. sewn fringe	1
670009	SV NCORN	Cornflower Blue / Natural Zig Zag	44 in. x 72 in. with 2 in. sewn fringe	1
670001	RCHEV NGIN	Ginkgo / Natural Chevron	44 in. x 72 in. with 2 in. sewn fringe	1
670007	SV NGTE	Granite / Natural Zig Zag	44 in. x 72 in. with 2 in. sewn fringe	1
670012	RJTW NHB	Heather Beige / Black / Natural Stripe	44 in. x 72 in. with 2 in. sewn fringe	1
670003	SCHEV NHEA	Heather Beige / Natural Chevron	44 in. x 72 in. with 2 in. sewn fringe	1
670004	SCHEV NIND	Indigo / Natural Chevron	44 in. x 72 in. with 2 in. sewn fringe	1
670011	RJTK NMAR	Marine / Natural Stripe	44 in. x 72 in. with 2 in. sewn fringe	1
670005	SCHEV NMEL	Melon / Natural Chevron	44 in. x 72 in. with 2 in. sewn fringe	1
670006	SCHEV NTOC	Natural / Variegated Tuscan Chevron	44 in. x 72 in. with 2 in. sewn fringe	1
670008	SV NNAT	Natural Zig Zag	44 in. x 72 in. with 2 in. sewn fringe	1

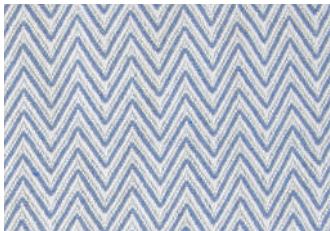
Sunbrella® is a registered trademark of Glen Raven, Inc.



670010



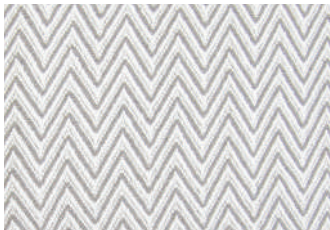
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670009



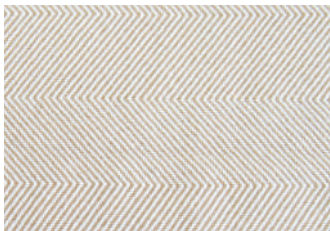
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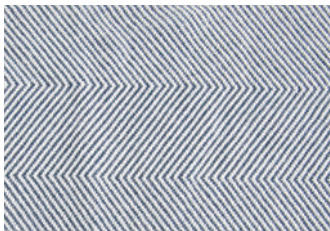
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670012



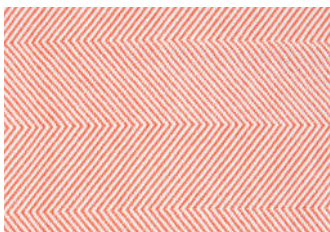
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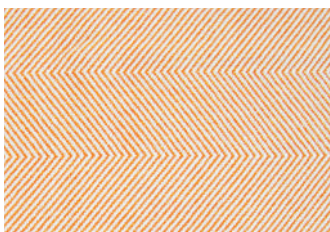
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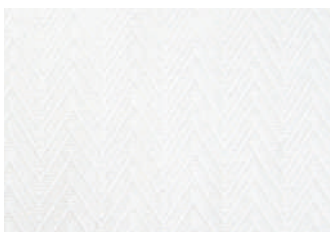
670011



670005



670006



670008









# SHADE SOLUTIONS

Find a shade solution that fits your customers’ needs and help them create the ultimate outdoor living area. Explore a wide range of shade solutions, including Solair® retractable awnings, power and patio screens, as well as cable and vertical drop curtains. Also find kits and replacement parts for industry-leading RollEase®, Solair, and Somfy®.

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SOMFY	153
ROLLEASE	159





## Solair® Pro Retractable Awning

The Solair Pro is the ultimate solution for beautiful, stylish shade. Available in a wide range of fabrics, customizable sizes and modern frame color choices, the Pro will create a more finished, personalized look to your customers' outdoor oasis.

### Standard Features

**Frame:** Corrosion-resistant, electrostatic powder-coated aluminum.

**Arms:** Sturdy construction with self-lubricating middle hinge and upper arm attachment sleeve bushings to provide smooth, quiet operation and wear reduction. An elliptical cable path in the hinge allows for cables to hold tension in the arm springs for consistent operation and a tight fabric appearance.

**Hardware:** The Pro is manufactured with durable stainless steel, corrosion-resistant fasteners. Finished look with protective caps and covers to hide most exposed hardware.

**Pitch:** Adjustable locking awning pitch from 5° to 60° for maximum shade control.

**Performance:** Earned TUV Certification for its quality, durability and workmanship.

**Front Bar:** Extruded aluminum front bar engineered for long-lasting strength and durability. Front bar features a rain channel to prevent water from gathering. Dual action front bar attachment increases flexibility and reduces strain on arms during wind gusts.

**Roller Tube:** Galvanized steel roller tube provides greater strength and less deflection. (Use of a center support may still be recommended.)

### Styling

**Frame Colors:** White, Latte, Sand and Cocoa

**Fabric Options:** Hundreds of fabric choices from Sunbrella® and Dickson® brands.

### Available Sizes

**Widths:** Custom 8 feet to 30 feet. All units greater than 25 feet wide will be spliced and shipped in two pieces requiring some field assembly before installation.

**Projections:** 5 feet, 6 feet 11 inches, 8 feet 7 inches, 10 feet 2 inches, 11 feet 6 inches and 13 feet

### Motorized Operation

We recommend that the Solair Pro unit be motorized, for ease of use. We offer three standard RTS motor options based on the size of the unit (specifications listed on page #140). Hand held remote allows awning operation with the touch of a button from 65 feet away.

Some motors are available with a manual override option (CMO) for added safety in case of power loss.

Motorization also allows for additional electronic options such as wind and sun sensors (Somfy electronics covered on page #143).

### Optional Features

**Remote Control:** Allows awning operation with the touch of a button from up to 65 feet away (standard on motorized awnings).

**Protective Hood:** Protects fabric and motor while providing a finished look.

**Awning Assist Brace:** Removable brace engineered to add support and stability to any Solair retractable awning.

**Valance:** Choose from several styles – from traditional scalloped edges to modern straight lines.

**Valance Plus:** Screen or solid fabric unwinds from front valance to provide additional shade and privacy.

### Additional Information

Solair XP Units allow for greater projections in narrower spaces. Ask a sales representative for more details.

Solair awnings can be mounted to the structural part of most buildings. Different types of brackets are required in certain applications. Contact your Trivantage sales representative or a Solair Technical Specialist for help in determining the best bracket for your application by calling 877.899.1680 or e-mailing us at: [help@solair.com](mailto:help@solair.com).

### The Installation Package Includes

- Installed Motor
- Motor Bracket or Installation Kit for CMO Motors
- Crown
- Drive Wheel
- Switch and Plate (if standard motor)
- Switch Box and Power Cord (if plug-in motor)
- Standard motor options include: (Extra cost varies)
  - 1) Somfy 550 RTS – for units up to 24 feet when CMO is not required
  - 2) Sunea 550 RTS CMO – for units up to 24 feet when CMO is required
  - 3) Simu 660 RTS CMO – for units wider than 24 feet; CMO is standard
- Remote Control Options: (Extra cost varies)
  - 1) 274552 Single Channel Pure
  - 2) 274550 Four Channel Pure
  - 3) 274553 Single Channel Patio (weather resistant)
  - 4) 274551 Four Channel Patio (weather resistant)

### General Installation Requirements

Installation manuals come standard with every awning. Please contact the Solair technical support team at 877.889.1680 with all installation questions.

The motor cable should not act as a direct conduit for water to enter the head of the motor. Note: Somfy motors conform to IP44 requirements and as such must be protected against direct weather elements such as rain, sleet, etc. In order to avoid water penetration, form a “drip loop” with the power cable and use a hood when required.

### RTS Motor Installation Requirements

If the installation consists of multiple RTS motors, only one motor can be programmed at a time. All other motors must be disconnected. This will avoid interferences during the initial programming of each motor. The mounting distance between any two RTS motor heads should be no less than 19 inches to avoid possible interference.

#### Warranty

10-year limited warranty on Solair Pro framework.  
10-year limited warranty on Sunbrella shade fabrics.  
5-year limited warranty for specialty and decorative shade fabrics. 5-year warranty on Somfy motors.  
All warranties are good from the day of purchase.  
Complete warranties can be found online at Solair Shade Solutions Extranet.

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WireFree™ is a trademark of Somfy Systems, Inc.



## Solair® Pro Hood Kit

Kits include new Solair Pro Hood, End Covers, and Hood Brackets in quantity appropriate for specified width.

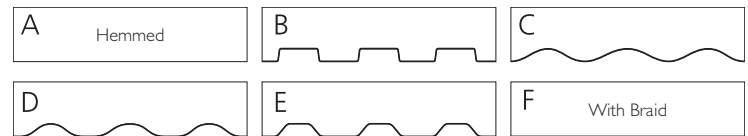
#### Available Sizes

**Widths:** Hood kits are made to order from 8ft to 30ft wide. Orders over 24ft require splicing in the field.

#### Available Colors

Cocoa, Latte, Sand, White

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## Solair® Pro Awning Covers

Save fabrication time! We offer quality covers for the Solair Pro. Covers are offered in any standard pattern of Sunbrella® and Dickson® awning fabric. (Other fabric styles upon request.) All Pro covers have welded seams unless otherwise noted.

Replacement covers and valances are available by special order. Please contact a Trivantage associate for details.

#### Warranty

10-year limited warranty on Solair Pro framework.  
10-year limited warranty on Sunbrella shade fabrics.  
5-year limited warranty for specialty and decorative shade fabrics. All warranties are good from the day of purchase. Complete warranties can be found online at Solair Shade Solutions Extranet.

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## Solair® Pro Valance Plus System

The Solair Pro Valance Plus System is a vertical roll-down drop valance option that provides protection from the setting sun. A standard 4-foot vertical fabric drop from the front bar is optimal for western exposures.

The Valance Plus System consists of a cassette and a drop valance fabric (valance fabric sold separately). The design of the cassette also accommodates a standard fixed valance. The Valance Plus cassette is available in white, latte, sand and cocoa frame colors. The system is only available for the Pro unit with projections up to 10ft 2in and widths up to 20ft. Allow for additional delivery time.

#### Warranty

10-year limited warranty on Solair Pro Valance Plus framework. Fabric warranties will vary but most have 5 or 10 year limited warranties.

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Solair® Pro Valance Plus Fabric

Solair Pro Valance Plus Fabric is supplied for use in the Solair Pro Valance Plus System. The fabric is available in widths from 10 feet to 20 feet, with a standard drop of four feet. Choose from a selection of 60 inch Sunbrella® solids, or select a Sunbrella pattern that coordinates with your awning cover fabric. Also available in 90% Textilene® in five stock colors (Black, Brown, Beige, Grey and Desert Sand).

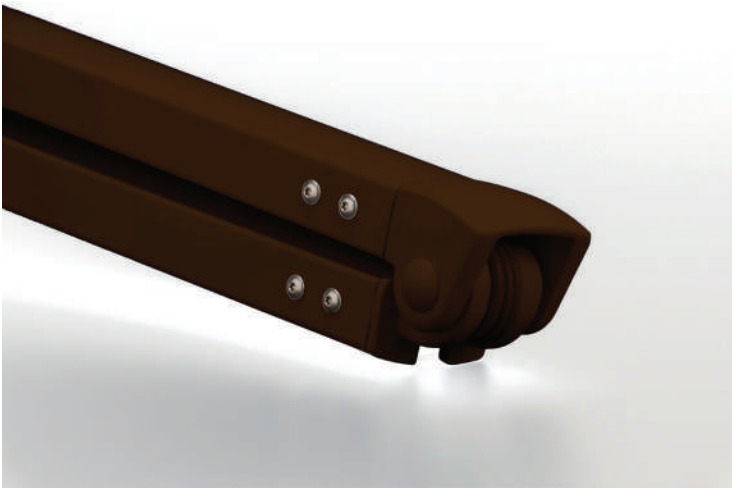
Solair® and Sunbrella® are registered trademarks of Glen Raven, Inc. Textilene® is a registered trademark of Twitchell Corporation.

Solair® Touch-Up Paint

A lacquer base, touch-up paint for Solair. Ideal for touching up small areas.

Item #	Style #	Description	Color
254130	RAL9010	12 oz. Aerosol Can	White
254131	RAL9019	12 oz. Aerosol Can	Latte
254132	RAL1013	12 oz. Aerosol Can	Sand
254133	RAL8017	12 oz. Aerosol Can	Cocoa
254136	RAL9010	0.6 oz. Brush Top Bottle	White
254137	RAL1019	0.6 oz. Brush Top Bottle	Latte
254138	RAL1013	0.6 oz. Brush Top Bottle	Sand
254139	RAL8017	0.6 oz. Brush Top Bottle	Cocoa

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Solair® Pro Components

Item #	Description	Color	Material	Standard Package
231916	Arm 10 ft. 2 in.	Cocoa		2
231716	Arm 10 ft. 2 in.	Latte		2
231816	Arm 10 ft. 2 in.	Sand		2
231616	Arm 10 ft. 2 in.	White		2
231917	Arm 11 ft. 6 in.	Cocoa		2
231717	Arm 11 ft. 6 in.	Latte		2

Item #	Description	Color	Material	Standard Package
231817	Arm 11 ft. 6 in.	Sand		2
231617	Arm 11 ft. 6 in.	White		2
231918	Arm 13 ft.	Cocoa		2
231718	Arm 13 ft.	Latte		2
231818	Arm 13 ft.	Sand		2
231618	Arm 13 ft.	White		2
231913	Arm 5 ft.	Cocoa		2
231713	Arm 5 ft.	Latte		2
231813	Arm 5 ft.	Sand		2
231613	Arm 5 ft.	White		2
231914	Arm 6 ft. 11 in.	Cocoa		2
231714	Arm 6 ft. 11 in.	Latte		2
231814	Arm 6 ft. 11 in.	Sand		2
231614	Arm 6 ft. 11 in.	White		2
231915	Arm 8 ft. 7 in.	Cocoa		2
231715	Arm 8 ft. 7 in.	Latte		2
231815	Arm 8 ft. 7 in.	Sand		2
231615	Arm 8 ft. 7 in.	White		2
231697	Beam Bracket	White	Powder Coated Steel	1
231902	Center Support	Cocoa		1
231702	Center Support	Latte		1
231802	Center Support	Sand		1
231602	Center Support	White		1
231904	Conical Gear 4.4:1	Cocoa		1
231704	Conical Gear 4.4:1	Latte		1
231804	Conical Gear 4.4:1	Sand		1
231604	Conical Gear 4.4:1	White		1
231986	Front Bar 16 ft.	Cocoa	Extruded Aluminum	1
231886	Front Bar 16 ft.	Sand	Extruded Aluminum	1
231686	Front Bar 16 ft.	White	Extruded Aluminum	1
231987	Front Bar 20 ft.	Cocoa	Extruded Aluminum	1
231787	Front Bar 20 ft.	Latte	Extruded Aluminum	1
231887	Front Bar 20 ft.	Sand	Extruded Aluminum	1
231687	Front Bar 20 ft.	White	Extruded Aluminum	1
231988	Front Bar 24 ft.	Cocoa	Extruded Aluminum	1
231788	Front Bar 24 ft.	Latte	Extruded Aluminum	1
231888	Front Bar 24 ft.	Sand	Extruded Aluminum	1
231688	Front Bar 24 ft.	White	Extruded Aluminum	1
231908	Front Bar Attachment	Cocoa		2



Item #	Description	Color	Material	Standard Package
231708	Front Bar Attachment	Latte		2
231808	Front Bar Attachment	Sand		2
231608	Front Bar Attachment	White		2
231709	Front Bar End Cap	Latte	Plastic	2
231809	Front Bar End Cap	Sand	Plastic	2
231609	Front Bar End Cap	White	Plastic	2
231790	Hood 16 ft.	Latte	Aluminum	1
231890	Hood 16 ft.	Sand	Aluminum	1
231690	Hood 16 ft.	White	Aluminum	1
231991	Hood 20 ft.	Cocoa	Aluminum	1
231791	Hood 20 ft.	Latte	Aluminum	1
231891	Hood 20 ft.	Sand	Aluminum	1
231691	Hood 20 ft.	White	Aluminum	1
231992	Hood 24 ft.	Cocoa	Aluminum	1
231792	Hood 24 ft.	Latte	Aluminum	1
231892	Hood 24 ft.	Sand	Aluminum	1
231692	Hood 24 ft.	White	Aluminum	1
231657	Hood Bracket	Cocoa	Extruded Aluminum	2
231655	Hood Bracket	Latte	Extruded Aluminum	2
231656	Hood Bracket	Sand	Extruded Aluminum	2
231654	Hood Bracket	White	Extruded Aluminum	2
231920	Hood End Cap	Cocoa	Aluminum	2
231720	Hood End Cap	Latte	Aluminum	2
231820	Hood End Cap	Sand	Aluminum	2
231905	Retention Pin	Cocoa	Nylon	2
231705	Retention Pin	Latte	Nylon	2
231805	Retention Pin	Sand	Nylon	2
231605	Retention Pin	White	Nylon	2
231500	Roller Tube 16 ft x 78 mm		Galvanized Steel	1
231501	Roller Tube 20 ft. x 78 mm		Galvanized Steel	1
231502	Roller Tube 24 ft. x 78 mm		Galvanized Steel	1
231901	Roller Tube Support Bracket Set with Covers	Cocoa	Extruded Aluminum, Plastic	2
231701	Roller Tube Support Bracket Set with Covers	Latte	Extruded Aluminum, Plastic	2
231801	Roller Tube Support Bracket Set with Covers	Sand	Extruded Aluminum, Plastic	2
231601	Roller Tube Support Bracket Set with Covers	White	Extruded Aluminum, Plastic	2
231508	Round Gudgeon 80 mm		Plastic	1
231907	Shoulder for 13 ft. Arms	Cocoa		2

Item #	Description	Color	Material	Standard Package
231707	Shoulder for 13 ft. Arms	Latte		2
231807	Shoulder for 13 ft. Arms	Sand		2
231607	Shoulder for 13 ft. Arms	White		2
231906	Shoulder for up to 11 ft. 6 in. Arms	Cocoa		2
231706	Shoulder for up to 11 ft. 6 in. Arms	Latte		2
231806	Shoulder for up to 11 ft. 6 in. Arms	Sand		2
231606	Shoulder for up to 11 ft. 6 in. Arms	White		2
231921	Soffit Bracket Adapter	Cocoa	Extruded Aluminum	2
231721	Soffit Bracket Adapter	Latte	Extruded Aluminum	2
231821	Soffit Bracket Adapter	Sand	Extruded Aluminum	2
231621	Soffit Bracket Adapter	White	Extruded Aluminum	2
231982	Torsion Bar 16 ft.	Cocoa	Aluminum	1
231782	Torsion Bar 16 ft.	Latte	Aluminum	1
231882	Torsion Bar 16 ft.	Sand	Aluminum	1
231682	Torsion Bar 16 ft.	White	Aluminum	1
231983	Torsion Bar 20 ft.	Cocoa	Aluminum	1
231783	Torsion Bar 20 ft.	Latte	Aluminum	1
231883	Torsion Bar 20 ft.	Sand	Aluminum	1
231683	Torsion Bar 20 ft.	White	Aluminum	1
231984	Torsion Bar 24 ft.	Cocoa	Aluminum	1
231784	Torsion Bar 24 ft.	Latte	Aluminum	1
231884	Torsion Bar 24 ft.	Sand	Aluminum	1
231684	Torsion Bar 24 ft.	White	Aluminum	1
231653	Wall Bracket	Cocoa	Extruded Aluminum	2
231651	Wall Bracket	Latte	Extruded Aluminum	2
231652	Wall Bracket	Sand	Extruded Aluminum	2
231650	Wall Bracket	White	Extruded Aluminum	1
231923	XP System	Cocoa		1 Pair
231723	XP System	Latte		1 Pair
231823	XP System	Sand		1 Pair
231623	XP System	White		1 Pair

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## Solair® Comfort Retractable Awning

Made with the same quality components as the Solair Pro, Solair Comfort offers the best value in a shade system. Your customers can fully enjoy their outdoor spaces with this easy-to-use, retractable awning. It adds beauty, reduces energy bills, and protects furniture from harmful UV rays. Optional features include a remote control, wireless wind sensor, and motorized operation. Shop complete units or replacement parts.

### Standard Features

**Frame:** All aluminum frame components are electrostatic powder coated to provide a corrosion-resistant, high quality finish.

**Arms:** Arm control features double galvanized steel cables, wrapped in PVC for corrosion resistance and long life.

**Hardware:** Durable, die-cast arm construction.

**Performance:** Earned TUV Certification for its quality, durability and workmanship.

**Front Bar:** Front bar attachment has dual-action feature that increases flexibility and reduces strain on the awning during a wind gust.

### Styling

**Frame Colors:** White and Latte.

**Fabric Options:** Hundreds of fabric choices from Sunbrella® and Dickson® brands.

### Available Sizes

**Widths:** 11 feet 9 inches, 15 feet 6 inches, 19 feet 3 inches.

**Projection:** 10 feet 2 inches.

### Motorized Operation

Optional motorized operation available and recommended for ease of use. Hand held remote included with motorized option. Allows awning operation with the touch of a button from 65 feet away.

### Optional Features

**Wireless Wind Sensor:** Automatically retracts awnings upon detection of damaging winds.

**Awning Assist Brace:** Removable brace engineered to add support and stability to any Solair retractable awning.

**Protective Hood:** Protects fabric and motor while providing a finished look.

### Warranty

10-year limited warranty on Sunbrella shade fabrics.  
5-year limited warranty for specialty and decorative shade fabrics. 5-year warranty on Somfy motors.  
All warranties are good from the day of purchase.  
Complete warranties can be found online at Solair Shade Solutions Extranet.

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## Solair® Comfort Hood Kit

Item #	Color	Standard Package	Width
276255	Latte	1	11 ft. 9 in.
276256	Latte	1	15 ft. 6 in.
276257	Latte	1	19 ft. 3 in.
276252	White	1	11 ft. 9 in.
276253	White	1	15 ft. 6 in.
276254	White	1	19 ft. 3 in.

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## Solair® Comfort Components

Item #	Description	Color	Standard Package
231751	Arm 10 ft. 2 in.	Latte	1
231627	Arm 10 ft. 2 in.	White	1
275336	Beam Bracket		1
231752	Front Bar Attachment	Latte	1
231628	Front Bar Attachment	White	1
231753	Front Bar End Cap	Latte	1
231629	Front Bar End Cap	White	1
231755	Hood Bracket	Latte	1
231756	Hood Bracket	White	1
231758	Hood End Cap	Latte	1
231757	Hood End Cap	White	1
231750	Shoulder	Latte	1
231612	Shoulder	White	1
231754	Wall Bracket	Latte	1
231597	Wall Bracket	White	1

## Solair® Accessories

Item #	Description	Color	Material	Standard Package
299545	Awning Assist Brace Kit	White		1
106805	Hand Brace 24 in.		Aluminum w/ Wooden Handle	1
106800	Hand Brace 57 in.		Aluminum w/ Wooden Handle	1
106801	Hand Brace 65 in.		Aluminum w/ Wooden Handle	1
106802	Hand Brace 77 in.		Aluminum w/ Wooden Handle	1
106803	Hand Brace 97 in.		Aluminum w/ Wooden Handle	1
270399	Lock Fabric with Stainless Steel Screw			1
231696	Roof Mount Bracket 10 in.		Stainless Steel	1
231622	Roof Mount Bracket 12 in.		Stainless Steel	1
269869	Roof Mount Bracket 9 in.		Stainless Steel	1
225206	Spacer 1.75 in. x 0.50 in. Thick			1
225207	Spacer 1.75 in. x 0.75 in. Thick			1
225208	Spacer 1.75 in. x 1 in. Thick			1

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## Solair® Touch-Up Paint

A lacquer base, touch-up paint for Solair. Ideal for touching up small areas.

Item #	Style #	Description	Color	Standard Package
254139	RAL8017	0.6 oz. Brush Top Bottle	Cocoa	1
254137	RAL1019	0.6 oz. Brush Top Bottle	Latte	1
254138	RAL1013	0.6 oz. Brush Top Bottle	Sand	1
254136	RAL9010	0.6 oz. Brush Top Bottle	White	1
254133	RAL8017	12 oz. Aerosol Can	Cocoa	1
254131	RAL9019	12 oz. Aerosol Can	Latte	1
254132	RAL1013	12 oz. Aerosol Can	Sand	1
254130	RAL9010	12 oz. Aerosol Can	White	1

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## Solair® Power Screen

Revamp your customer's space with the click of a button so they can enjoy the outdoors on their terms. The Solair Power Screen transforms residential and commercial outdoor spaces into comfortable, ventilated, pest-free environments, protected from harmful UV rays. Motorized or manually operated, each Solair Power Screen is custom-designed and fabricated to fit the shape and design of the structure. When not in use, the screen retracts out-of-sight and blends stylishly with the building's exterior.

The SRS (Side Retention System) Power Screen is widely known as the highest performing screen system on the market today. The key to the superior functionality of the SRS is its fully retained fabric inside of aluminum side rails. The design creates a tight fit and long lasting performance.

With the increase in popularity of clear vinyl and fabric enclosures utilizing the Power Screen SRS, there are added precautions that you need to be aware of. When these screens are deployed, it is imperative someone observes the deployment of each screen (we do not recommend putting more than one screen per channel on a remote control). Operation in conditions in which wind and/or cold temperatures are present can result in the screen encountering a stall. Please consult your Trivantage sales representative on all clear vinyl and fabric enclosures.

Specially designed housing cassettes in two sizes allow product widths from 4ft to 18ft, and drops from 3ft to 11ft. Additional sizes may be available if needed. Consult your sales associate for additional information.

Offered in a variety of screening and shading options to suit your customer's needs. When lowered in the summer months, Solair Power Screen fabrics will reduce air conditioning costs.

During cooler weather, the Solair Power Screen can be kept open to allow the sun's warmth to penetrate the interior.

Utilizing the latest technology, many Solair Power Screen fabrics are not only fire retardant, but industry leaders in puncture, tear and mildew resistance. Manufactured with the highest grade aluminum and nylon components, Solair Power Screens stand up to the toughest environments.

Power Screen frames are available in eleven colors: Black, Bronze, Brown, Desert Sand, Gray, Green, Tan, Navajo, Silver, White, Bright White. Custom colors are available at additional cost.

Motorized operation is recommended for all screen installations for quick deployment or retraction when needed. Motors offered are matched to the torque required based on fabric and frame weight.

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**Warranty**    10-year limited frame warranty. Proper installation techniques must be followed to ensure long-term performance. Improper installation techniques will void warranty. Please consult your sales representative for installation guidelines.

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## Solair® Cable Curtain

Your customer can enjoy more time outdoors with the privacy and shade of the Solair Cable Curtain. When used as window shades, cable curtains can help reduce cooling costs and keep the heat outside the home. Perfect for both residential and commercial applications such as patios, gazebos and storefront settings.

Similar to the vertical curtain, the cable curtain includes a bottom bar, which connects to your choice of either 10 foot or 15 foot stainless steel side cables. The cables are supplied with cable clamps for securing cables to the floor or wall.

### Standard Features

**Frame:** Made with electrostatic powder coated aluminum and galvanized steel components for a strong but light weight unit.

**Winding Brace:** Available in 24 inch, 57 inch, 65 inch (standard), 77 inch, or 97 inch.

### Styling

**Frame Colors:** White, Sand and Cocoa.

### Available Sizes

Frame kits are available in widths from 4 feet to 20 feet.

### Motorized Operation

Optional motorized operation available and recommended for ease of use.

### Optional Features

**Remote Control:** Allows you to operate curtain with the touch of a button from up to 65 feet away.

**Protective Hood:** Protects fabric and motor while providing a finished look.

<b>Warranty</b>	Frame: 5-year warranty
	Motor: 5-year warranty

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## Solair® Vertical Curtain

The Solair Vertical Curtain provides an economical way to offer your customers a retractable vertical shade. These shades can reduce cooling costs and keep the heat outside the home. Perfect for both residential and commercial applications such as patios, gazebos and storefront settings. The system includes roller tube, gear, winding brace and mounting hardware.

### Standard Features

**Frame:** Made with electrostatic powder coated aluminum and galvanized steel components for a strong but light weight unit.

**Winding Brace:** Available in 24 inch, 57 inch, 65 inch (standard), 77 inch, or 97 inch.

### Styling

**Frame Colors:** White, Sand and Cocoa.

### Available Sizes

Frame kits are available in widths from 4 feet to 20 feet.

### Motorized Operation

Optional motorized operation available and recommended for ease of use.

### Optional Features

**Remote Control:** Allows you to operate curtain with the touch of a button from up to 65 feet away.

**Protective Hood:** Protects fabric and motor while providing a finished look.

<b>Warranty</b>	Frame: 5-year warranty
	Motor: 5-year warranty



Solair® Cable And Vertical Curtain Components

Item #	Description	Color	Material	Standard Package
231945	Bottom Bar 19 ft. 8 in.	Cocoa	Powder Coated Aluminum	1
231745	Bottom Bar 19 ft. 8 in.	Latte	Powder Coated Aluminum	1
231845	Bottom Bar 19 ft. 8 in.	Sand	Powder Coated Aluminum	1
231645	Bottom Bar 19 ft. 8 in.	White	Powder Coated Aluminum	1
231523	Bottom Bar Gudgeon	Black	Synthetic	1
231521	Cables 10 ft.		Stainless Steel	2
231522	Cables 15 ft.		Stainless Steel	2
231524	Curtain Cap with Lock 1.57" for 0.16 Cable			1
231940	Curtain Feet	Cocoa	Powder Coated Aluminum	2
231740	Curtain Feet	Latte	Powder Coated Aluminum	2
231840	Curtain Feet	Sand	Powder Coated Aluminum	2
231640	Curtain Feet	White	Powder Coated Aluminum	2

Item #	Description	Color	Material	Standard Package
231939	End Bracket	Cocoa	Powder Coated Aluminum	2
231739	End Bracket	Latte	Powder Coated Aluminum	2
231839	End Bracket	Sand	Powder Coated Aluminum	2
231639	End Bracket	White	Powder Coated Aluminum	2
231937	End Brackets	Cocoa	Powder Coated Aluminum	2
231837	End Brackets	Sand	Powder Coated Aluminum	2
231637	End Brackets	White	Powder Coated Aluminum	2
231903	Gear 9:1	Cocoa		1
231803	Gear 9:1	Sand		1
231603	Gear 9:1	White		1
231944	Hood 20 ft.	Cocoa	Aluminum	1
231844	Hood 20 ft.	Sand	Aluminum	1
231644	Hood 20 ft.	White	Aluminum	1
231942	Hood Bracket	Cocoa	Powder Coated Steel	2
231842	Hood Bracket	Sand	Powder Coated Steel	2
231642	Hood Bracket	White	Powder Coated Steel	2
231943	Hood End Cap	Cocoa	Aluminum	2
231843	Hood End Cap	Sand	Aluminum	2
231643	Hood End Cap	White	Aluminum	2
231519	Pin Set			1
231518	Pinless Round Gudgeon 80 mm	Grey	Plastic	1
231507	Square Gudgeon 80 mm	Grey	Plastic	1

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## Solair® Patio Screens

The Solair Patio Screen is a cost-effective, vertical drop screen that offers multi-purpose benefits. It blocks wind and rain, eliminates glare, and reduces radiant heat inside and out. Available in four frame colors and several screen options, it's a great shade and privacy solution for personal and commercial use. The cable kit is recommended where light winds are common. Solair Patio Screen are built to order.

Suggested uses: gazebos, pergolas, outdoor kitchens, outdoor living spaces, windows.

### Standard Features

**Frame:** Made with two aluminum mounting brackets and galvanized steel roller tube and decorative aluminum weighted hem bar.

### Styling

**Frame Colors:** White, Sand, Cocoa and Latte.

### Available Sizes

Manufactured to the inch in widths ranging from 3' to 15' and drops from 3' to 15'.

### Motorized Operation

Optional motorized operation available and recommended for ease of use.

### Optional Features

**Remote Control:** Allows you to operate curtain with the touch of a button from up to 65 feet away.

**Protective Hood:** Protects fabric and motor while providing a finished look.

<b>Warranty</b>	<b>Frame:</b> 5-year warranty
	<b>Motor:</b> 5-year warranty

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## Solair® Maxi Window Awning

Make your customer's home cooler and more stylish. The Solair window awning is a great investment in the beauty and value of a home or business. Adding a customized look to the outside, these shade solutions work to control the temperature and protect furniture and flooring against sun damage inside. Solair window awnings feature your choice of hundreds of fade-resistant and easy-to-clean fabrics, including brands like Sunbrella® and Dickson® to customize any style of home. And thanks to design-inspired engineering using the highest quality materials and components, you will enjoy these shade solutions with little maintenance required.

The Solair Maxi window awning is recommended for use over large window spans where durability and strength are required. Available in four stock arm projections (2ft. 4in./ 3ft. 4in./ 4ft. 6in./ 5ft. 8in.) and made to order in custom widths from 6ft. to 20ft. Frame colors include white, sand and cocoa.

<b>WARRANTY</b>	5-year limited warranty on Solair Maxi framework. 10-year limited warranty on Sunbrella shade fabrics. 5-year limited warranty for specialty and decorative shade fabrics. 5-year warranty on Somfy motors. All warranties are good from the day of purchase. Complete warranties can be found online at Solair Shade Solutions Extranet.
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## Solair® Maxi Hood Kit

Kits include Maxi Hood, End Covers and Hood Brackets in quantity appropriate for specified kit width.

### Available Sizes

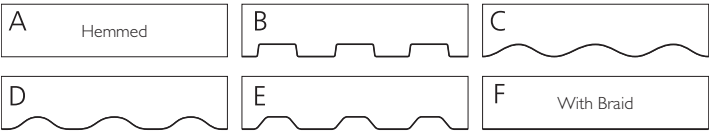
**Widths:** Maxi Hood kits are made to order from 8ft to 20ft wide.

**Available Colors:** Cocoa, Sand, White

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## Solair® Maxi Awning Covers

Save fabrication time! We offer quality covers for the Solair Maxi window shade systems. Covers are offered in any standard pattern of Sunbrella® and Dickson® awning fabric. (Other fabric styles upon request.) Available with welded seams.



Solair®, Sunbrella® and Dickson® are registered trademarks of Glen Raven, Inc.

## Solair® Maxi Components

Item #	Description	Color	Material	Standard Package
341742	Arm 2 ft. 4 in.	Cocoa		2
341762	Arm 2 ft. 4 in.	Latte		2
341722	Arm 2 ft. 4 in.	Sand		2
341743	Arm 3 ft. 4 in.	Cocoa		2
341763	Arm 3 ft. 4 in.	Latte		2
341723	Arm 3 ft. 4 in.	Sand		2
341703	Arm 3 ft. 4 in.	White		2
341744	Arm 4 ft. 6 in.	Cocoa		2
341764	Arm 4 ft. 6 in.	Latte		2
341724	Arm 4 ft. 6 in.	Sand		2
341704	Arm 4 ft. 6 in.	White		2
341745	Arm 5 ft. 8 in.	Cocoa		2
341765	Arm 5 ft. 8 in.	Latte		2
341725	Arm 5 ft. 8 in.	Sand		2
341705	Arm 5 ft. 8 in.	White		2
341750	End Bracket	Cocoa	Aluminum Die Cast	2
341770	End Bracket	Latte	Aluminum Die Cast	2
341730	End Bracket	Sand	Aluminum Die Cast	2
341710	End Bracket	White	Aluminum Die Cast	2
341752	Front Bar Ends Caps	Cocoa	Plastic	2
341772	Front Bar Ends Caps	Latte	Plastic	2
341732	Front Bar Ends Caps	Sand	Plastic	2
341712	Front Bar Ends Caps	White	Plastic	2
341749	Gear 9:1	Cocoa		1
341769	Gear 9:1	Latte		1
341729	Gear 9:1	Sand		1
341709	Gear 9:1	White		1
341755	Hood 22 ft.	Cocoa	Aluminum	1
341775	Hood 22 ft.	Latte	Aluminum	1
341735	Hood 22 ft.	Sand	Aluminum	1
341715	Hood 22 ft.	White	Aluminum	1

Item #	Description	Color	Material	Standard Package
341753	Hood Bracket	Cocoa	Powder Coated Steel	2
341773	Hood Bracket	Latte	Powder Coated Steel	2
341733	Hood Bracket	Sand	Powder Coated Steel	2
341713	Hood Bracket	White	Powder Coated Steel	2
341754	Hood End Cap	Cocoa	Aluminum	2
341774	Hood End Cap	Latte	Aluminum	2
341734	Hood End Cap	Sand	Aluminum	2
341714	Hood End Cap	White	Aluminum	2

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## Somfy® Operators and Operator Options

These high-quality tubular motors and remote controls are designed to operate all Solair retractable awning systems. They provide the ultimate convenience in retractable awning operation. A remote control receiver is incorporated within the motor allowing the user remote control capability (no more electricians to hardwire the electronics). The receivers have a range up to 65 feet. All motors come standard with a power cord. Multiple lengths are available.

### General Installation Requirements

The motor cable should not act as a direct conduit for water to enter the head of the motor. Note: Somfy motors conform to IP44 requirements and as such must be protected against direct weather elements such as rain, sleet, etc. In order to avoid water penetration, form a "drip loop" with the power cable and use a hood when required.

### RTS Motor Installation Requirements

If the installation consists of multiple RTS motors, only one motor can be programmed at a time. All other motors must be disconnected. This will avoid interferences during the initial programming of each motor. The mounting distance between any two RTS motor heads should be no less than 19 inches, to avoid possible interference.

Use only Somfy RTS radio controls.

Item #	Style #	Description	Color	Standard Package
274499	1810639	1-Channel Transmitter	Silver	1
276645	1810650	Telis 1-Channel RTS Lounge Transmitter		1
274553	1810643	Telis 1-Channel RTS Patio Transmitter	Blue/White	1
274552	1810632	Telis 1-Channel RTS Pure Transmitter		1
276650	1811082	Telis 16-Channel RTS Transmitter	Silver	1
275019	1810652	Telis 4 5-Channel RTS Lounge Transmitter		1
274551	1810645	Telis 4 5-Channel RTS Patio Transmitter	Blue/White	1
274550	1810633	Telis 4 5-Channel RTS Pure Transmitter		1
274498	1810641	Telis 4 5-Channel Transmitter	Silver	1
274571	1811243	Telis Soliris 4 5-Channel RTS Patio Transmitter	Blue/White	1
274547	1810635	Telis Soliris RTS Pure Transmitter		1

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## Somfy® Altus RTS Motor

Warranty	5-Year
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Item #	Style #	Description	Cable Cord Length	Standard Package
274753	1043287	RTS Motor 525A2 LT50 with NEMA Plug	12 ft.	1
274751	1037501	RTS Motor 525S2 with NEMA Plug		1
274761	1037511	RTS Motor 550R2 with NEMA Plug	12 ft.	1
274031	9012145	RTS Motor Cable with NEMA Plug	12 ft.	1
274304	9012151	RTS Motor Cable with NEMA Plug	18 ft.	1
274006	9012146	RTS Motor Cable with NEMA Plug	24 ft.	1

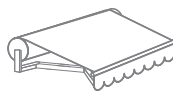
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Warranty	5-Year
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# SUNEA RTS CMO VISUAL REFERENCE GUIDE

## STANDARD AWNING SETTINGS:



Both UP and DOWN limits need to be set.

### Before You Begin:

Make sure the DOWN button on the remote extends the awning. (▼ = awning moves outward or extends). Failure to correct this may cause damage to the awning or personal injury.



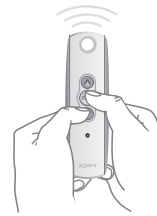
### STEP 1

Initiate programming by pressing both the ▲ (Up) and ▼ (Down) buttons at the same time until the motor jogs.



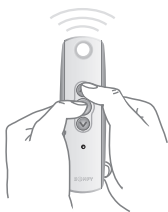
### STEP 2

Check the direction of operation. Press and hold the ▼ button and confirm it moves the motor out. To change the direction press and hold the my (Stop) button until the motor jogs.



### STEP 3

Bring the motor to your desired upper limit by pressing the ▲ button. Press and hold both the my and ▼ buttons until the motor begins to move down, then release. Use the my button to stop it at the desired lower limit.



### STEP 4

Press the my and ▲ button until the motor begins to move up. The motor will stop at the original upper point.



### STEP 5

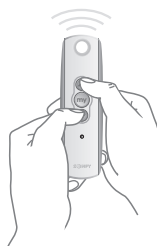
Press and hold the my button until the motor jogs.



### STEP 6

Press and hold the Program button on the back of the transmitter until the motor jogs. Double check limits as a precaution.

## ADJUSTING THE LIMITS



### To change the lower limit:

Move the motor to its current lower limit position and let it stop. Press and hold the ▲ and ▼ buttons simultaneously until the motor jogs, then release. Adjust to a new lower limit position. Press the my button until the motor jogs, then release. Check new limit.

### To change the upper limit:

Move the motor to its current upper limit position and let it stop. Press and hold the ▲ and ▼ buttons simultaneously until the motor jogs, then release. Adjust to a new upper limit position. Press the my button until the motor jogs, then release. Check new limit.

### To add a remote/channel or sun and wind sensor:

First press the programming button on the back of the already programmed remote until the motor jogs. Then press the programming button on the remote or sun/wind sensor that you would like to add until the motor jogs. Check it.

### To reset the motor:

you will need to disconnect power (120vac) for 2 seconds, reconnect for 10 seconds, disconnect for another 2 seconds and reconnect. The motor should start to move or jog (If this does not happen, continue to perform the disconnects until it does). Once the motor stops, press and hold the programming button on the back of the remote and count to ten without letting go. The motor should jog twice.



## ADVANCED FEATURE FUNCTIONS

### BACK IMPULSE function for both cassette and standard awnings

This function allows you to apply tension on the fabric when the awning is fully extended. The motor can be adjusted up to a ½ half turn.

#### STEP 1

Disconnect power momentarily and reconnect.

#### STEP 2

Set the awning to the lowest position.



#### STEP 3

Press the MY and Up buttons until the awning jogs: The motor is in programming mode.



#### STEP 4

Adjust the fabric's tension using the Up or Down buttons.



#### STEP 5

Press the MY button until the awning jogs: The fabric's tension has been programmed.





SOMFY SUNEa RTS CMO MOTOR WITH EXTENSION CORD WITH NEMA PLUG

## Somfy® Sunea RTS CMO Motor

The Sunea RTS CMO motor, which is used most often in our Solair Pro retractable awning, features easy limit-setting via transmitter, torque sensing capabilities, back release function, back impulse function setting, manual override, built-in Radio Technology Somfy (RTS), and a convenient 18 inch fast connector cable to adapt to various cable lengths. The Sunea RTS CMO is compatible with Somfy’s entire collection of RTS controls including hand-held remotes, wall switches, timers, sensors and outdoor heaters.

Warranty		5-Year		
Item #	Style #	Description	Cable Cord Length	Standard Package
274577	9015977	RTS CMO Extension Cord with NEMA Plug	18 ft.	1
274578	9015784	RTS CMO Extension Cord with NEMA Plug	24 ft.	1
274576	9015783	RTS CMO Extension Cord with NEMA Plug	12 ft.	1
273920	1114230	RTS CMO Motor 525A2		1
273922	1118167	RTS CMO Motor 550R2		1
274580	9015989	RTS CMO Override Kit		1

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274126- CMO MOTOR OVERRIDE KIT

## Somfy® CMO Motor

The Somfy Compact Manual Override (CMO) Motor provides an added safety feature in the event of a power failure. Anyone can easily operate the crank handle as the reduction ratio allows for quick and easy operation. With the new rapid limit switch, all that is required to set the length of travel is a simple touch adjustment.

### Features

- Compact Design:** Requires minimum installation space (1.0 in. – 24 mm).
- Ease of Operation:** Minimum effort required for crank operation.
- Tested Reliability:** Meets UL and CSA standards.

Warranty		5-Year		
Item #	Style #	Description	Cable Cord Length	Standard Package
274126	9012349	CMO Motor Override Kit (Metric)		1
274131	9685114	CMO Motor Override Shaft 60 mm		1
273942	9077287	CMO Motor Override Shaft with Eye 100 mm		1
274740		RTS CMO Motor 525A2 with NEMA Plug	12 ft.	1
274032	9012148	RTS CMO Motor Cable with NEMA Plug	12 ft.	1
274122	9012149	RTS CMO Motor Cable with NEMA Plug	24 ft.	1
274306	9012150	RTS CMO Motor Cable with NEMA Plug	18 ft.	1

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270531

## Somfy® Motor Hardware

Warranty	5-Year
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Item #	Style #	Description	Standard Package
270531	9707027	Crown for LT50 DS78	1
270547	9707639	Crown for LT60 DS78/D	1
273971	9012241	Drive Mod DS78	1
273968	9910001	Universal Bracket with Spring Ring (Metric)	1

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## SIMU® Solar AutoSun™ Solar Power Operator

The AutoSun Motor System from Simu uses the power of the sun to effortlessly retract Solair window awnings, roller shutters, screens, awning front valances and RV awnings.

By tapping the power of the sun, the AutoSun system uses only clean, renewable and free energy. First, the system collects solar energy through its solar panel. Then, the energy is transmitted from the solar panel to a battery. The DC motor is then powered by the battery and is controlled by an integrated SIMU-Hz radio control and electronic limits.

Using advanced technology, this solar powered system also detects frost and obstacles for worry free operation when mounted in rolling shutters. AutoSun is also quick and easy to install. It requires no power supply cables, no holes to be drilled and no electrician is necessary.

Operation is simple. The battery features an easy access button to reset the motor. And thanks to built in radio technology, the end limit distance settings can be personalized with four different possibilities using the remote.

Warranty	5-Year
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Item #	Style #	Description	Standard Package
276651	2007000	AutoSun 10Nm Motor System	1
274557	9014734	AutoSun Battery	1
274558	2006996	AutoSun Motor System	1

SIMU® is a registered trademark of SIMU France.



## Somfy® Ondeis™ WireFree RTS Rain and Sun Sensor

The Ondeis Wirefree sensor is a solar-powered combined rain and sun sensor compatible with Radio Technology Somfy (RTS) motorized exterior products, including awnings, rolling shutters and screens. The sensor uses optical rain-sensing technology to measure rainfall and sends an RTS command when rainfall exceeds the user-selected threshold. It also utilizes a sun-level sensor that sends an RTS command when sunlight exceeds the user-selected threshold.

Somfy Soliris transmitter (not included) is required to activate the motor's sun function.

Warranty	5-Year
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Item #	Style #	Standard Package
274421	9019617	1

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274401



274275

## Somfy® Eolis Wind Sensor Kit

The Eolis Wind Sensor includes an integrated radio receiver. Wind speed is continuously monitored, triggering the control to retract awnings automatically as needed. The Eolis can operate the controls individually or in groups using Telis Transmitters.

Warranty	5-Year
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Item #	Style #	Description	Color	Standard Package
274401	9013847	3D WireFree RTS Wind Sensor	Black	1
274400	1816083	3D WireFree RTS Wind Sensor	Off-White	1
274395	1816081	3D WireFree RTS Wind Sensor	White	1
274275	9012499	RTS Wind Sensor Kit 24V DC		1

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## Somfy® Soliris Sensor

This radio remote-controlled receiver provides dependable and automatic protection based on sun and wind levels. The Soliris Sensor automatically retracts a motorized awning when it senses high winds and opens in intense sunlight. The Soliris Sensor provides electronic ease and complete climate control, for the ultimate in awning protection and convenience.

Somfy Soliris transmitter (not included) is required to activate the motor's sun function.

Warranty	5-Year
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Item #	Style #	Description	Standard Package
274277	9012500	RTS Wind/Sun Sensor Kit	1

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## Somfy® Universal RTS Receiver

The Somfy Universal RTS Receiver provides RTS capability to Somfy's standard (non-RTS) motors. It can be used as a stand-alone radio control, or with Somfy's RTS sensor for sun and wind control. One user-defined intermediate stop-position can be programmed. This 110V control is packaged in a weatherproof enclosure and includes watertight strain-relief fittings for wires entering the box.

Warranty	5-Year
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Item #	Style #	Description	Standard Package
274510	1810627	Universal RTS Receiver	1

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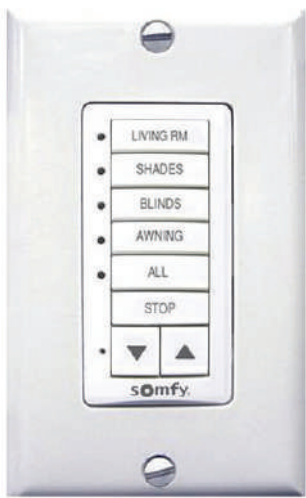
## Somfy® myLink™

The myLink™ RTS Smartphone and Tablet Interface is a WiFi to Radio Technology Somfy® bridge that can control up to 5 channels of RTS motorized products using the Somfy myLink apps for iOS and Android devices. Through the app, users can send immediate RTS commands, create Scenes (a group of motorized products working together) and Schedules (timed events). Users may access their myLinks from anywhere with the app's remote access feature. Though the myLink is a single-zone controller, multiple myLinks can be joined within the same system for multi-zone control.

Warranty	5-Year
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Item #	Style #	Standard Package
270400	1811403	1

Somfy® is a registered trademark of Somfy Systems, Inc. myLink™ is a trademark of Somfy Systems, Inc.



## DecoFlex WireFree™ RTS

The DecoFlex WireFree RTS battery powered wall switch features Radio Technology Somfy (RTS) and may be personalized for intuitive control of window coverings such as shades, blinds, draperies, rolling shutters and awnings. It is available fully assembled in one and five channel button versions or may be easily converted to a two, three or four channel button switch. Choose from three colors – white, ivory or black – to match any decor. The switch is designed to complement the full range of Somfy RTS handheld transmitters, timers and interfaces.

Installation is quick and simple, with no wiring required. Included with each switch is an extended life lithium battery eliminating the need for an electrician. The DecoFlex WireFree RTS may be installed independently or next to an existing light switch using the included wall mounting bracket and the appropriate wall plate.

Warranty	5-Year
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Item #	Style #	Description	Color	Standard Package
275105	1810898	1-Channel WireFree RTS	Ivory	1
275104	1810897	1-Channel WireFree RTS	White	1
274991	61114025	2-Channel Face Plate	Ivory	1
274990	61114024	2-Channel Face Plate	White	1
274994	61114034	3-Channel Face Plate	Ivory	1
274993	61114033	3-Channel Face Plate	White	1
274997	61114044	4-Channel Face Plate	Ivory	1
274996	61114043	4-Channel Face Plate	White	1
275107	1810814	5-Channel WireFree RTS	Ivory	1
275106	1810813	5-Channel WireFree RTS	White	1

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## Somfy® Infrared Heater

The new Somfy Infrared Heater with RTS receiver is a 1500 watt heater that enables your customers to spend more time enjoying their awning and outdoor living space. Equipped with Somfy's exclusive RTS technology, users can control the heater with the same remote they use to control their awning. This weatherproof infrared heater is environmentally friendly and energy efficient by providing instant heat to warm people, not the air, and has a lower running cost than gas heaters. Provides heat up to 1300 square feet (13 feet x 10 feet) or approximately an area equivalent to a table with five chairs.

Warranty	5-Year
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Item #	Style #	Description	Color	Standard Package
273902	1824018	RTS 1500-Watt Infrared Heater	White	1
273903	9015148	RTS Heater Mounting Bracket		1

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## RollEase® Roller Shade System

Patented, manually operated clutch mechanism. Easy to fabricate and install. Clutch automatically locks, holding shade securely in place. Adjacent shades are easily set to matching levels. Shades stay clean, you never have to touch the fabric. Not intended for outdoor applications.

Item #	Description	Color	Diameter	Length	Material	Size	Standard Package
224521	Chain Stop Ball					5/16 in.	100
224514	Clutch R-16	Black	1-1/2 in.				1
224516	Clutch R-16	Vanilla	1-1/2 in.				1
224598	Clutch R-16	White	1.5 in.				1
224517	Clutch R-24	Vanilla	1-1/2 in.				1
224518	Clutch R-8	Black	1-1/2 in.				1
224555	Clutch R-8	Black	1-1/4 in.				1
224515	Clutch R-8	Vanilla	1-1/4 in.				1
224519	Clutch R-C14	Vanilla	1-1/2 in.				1
224591	Clutch/End Plug Conversion Adapter	Black				1-1/2 in. to 2 in.	1
224592	Clutch/End Plug Conversion Adapter	Vanilla				1-1/2 in. to 2 in.	1
224486	End Plug		1-1/2 in.				1
224512	End Plug	Black	1-1/2 in.				1
224556	End Plug	Black	1-1/4 in.				1
224511	End Plug	Vanilla	1-1/2 in.				1
224510	End Plug	Vanilla	1-1/4 in.				1
224547	Exterior Clutch R-24	Black	1-1/2 in.				1
224620	Exterior Clutch R-8	Vanilla	1.5 in.				1
224587	Exterior Hem Bar	Anodized Aluminum		12 ft.			288
224645	Exterior Hem Bar	Anodized Aluminum		16 ft.			160
224589	Exterior Hem Bar	Black		12 ft.			288
224646	Exterior Hem Bar	Black		16 ft.			160
224586	Exterior Hem Bar	Dark Bronze		12 ft.			288
224644	Exterior Hem Bar	Dark Bronze		16 ft.			160
224584	Exterior Hem Bar	Vanilla		12 ft.			288
224642	Exterior Hem Bar	Vanilla		16 ft.			160
224585	Exterior Hem Bar	White		12 ft.			288
224643	Exterior Hem Bar	White		16 ft.			160
224580	External Hem Bar Strip			300 ft.			1
224574	Fascia Bracket for R-16 Clutch	Black				3 in.	1
224570	Fascia Bracket for R-16 Clutch	Bronze				3 in.	1
224571	Fascia Bracket for R-16 Clutch	Vanilla				3 in.	1
224572	Fascia Bracket for R-16 Clutch	White				3 in.	1
224577	Fascia Bracket for R-24 Clutch	Bronze				4 in.	1
224564	Fascia Bracket for R-24 Clutch	Vanilla				4 in.	1

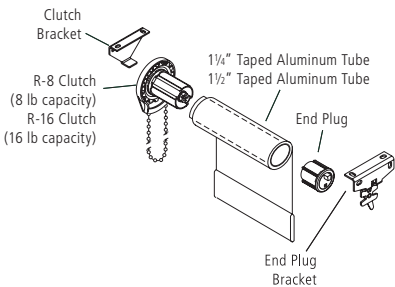
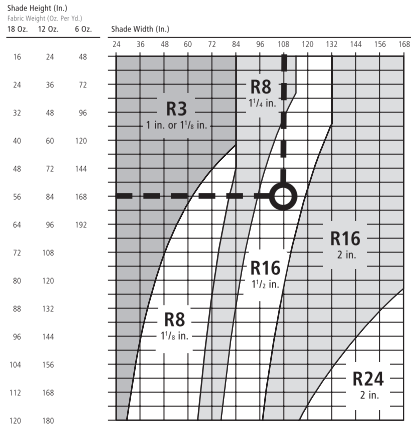
Item #	Description	Color	Diameter	Length	Material	Size	Standard Package
224576	Fascia Bracket for R-24 Clutch	White				4 in.	1
224560	Fascia Bracket for R-8 Clutch	Bronze				3 in.	1
224561	Fascia Bracket for R-8 Clutch	Vanilla				3 in.	1
224562	Fascia Bracket for R-8 Clutch	White				3 in.	1
224553	Fascia	Anodized Aluminum				3 in. x 12 ft.	12
224528	Fascia	Anodized Aluminum				3 in. x 16 ft.	10
224566	Fascia	Anodized Aluminum				4 in. x 12 ft.	12
224632	Fascia	Anodized Aluminum				4 in. x 16 ft.	1
224554	Fascia	Black				3 in. x 12 ft.	12
224558	Fascia	Black				3 in. x 16 ft.	12
224565	Fascia	Black				4 in. x 12 ft.	12
224631	Fascia	Black				4 in. x 16 ft.	12
224550	Fascia	Bronze				3 in. x 12 ft.	12
224500	Fascia	Bronze				3 in. x 16 ft.	16
224568	Fascia	Bronze				4 in. x 12 ft.	12
224640	Fascia	Bronze				4 in. x 16 ft.	1
224551	Fascia	Vanilla				3 in. x 12 ft.	12
224501	Fascia	Vanilla				3 in. x 16 ft.	10
224569	Fascia	Vanilla				4 in. x 12 ft.	12
224641	Fascia	Vanilla				4 in. x 16 ft.	1
224552	Fascia	White				3 in. x 12 ft.	12
224508	Fascia	White				3 in. x 16 ft.	10
224567	Fascia	White				4 in. x 12 ft.	12
224633	Fascia	White				4 in. x 16 ft.	1
224582	Hem Bar End Cap with Screw	Black					100
224588	Hem Bar End Cap with Screw	Vanilla					100
224581	Hem Bar End Cap with Screw	White					100
224648	Interior Clutch R-24	Black	1.5 in.				1
224686	Internal Hem Bar			16 ft.			16
224544	Metal Chain Connector						1
224525	Metal Chain with Safety Warning Tag			4 ft.			1
224526	Metal Chain with Safety Warning Tag			5 ft.			1
224527	Metal Chain with Safety Warning Tag			6 ft.			1
224520	Metal Chain with Safety Warning Tags			500 ft.			1
224507	Mounting Bracket Cover for R-8 Clutch	White					1
224506	Mounting Bracket for R-16 Clutch 1-1/2 in.				Nickel		1
224524	Mounting Bracket for R-16, R-24 Clutch 2 in.				Nickel		1
224505	Mounting Bracket for R-3, R-8 Clutch 1-1/2 in.				Nickel		1
224509	Mounting Bracket for R-3, R-8 Clutch 2 in.				Nickel		1
224541	Plastic Chain Connector	Black					100
224539	Plastic Chain Connector	Clear					100
224542	Plastic Chain Connector	Vanilla					100
224540	Plastic Chain Connector	White					100
224531	Plastic Chain with Safety Warning Tags	Black		100 ft.			1
224536	Plastic Chain with Safety Warning Tags	Black		820 ft.			1

Item #	Description	Color	Diameter	Length	Material	Size	Standard Package
224533	Plastic Chain with Safety Warning Tags	Brown		820 ft.			1
224532	Plastic Chain with Safety Warning Tags	Vanilla		100 ft.			1
224537	Plastic Chain with Safety Warning Tags	Vanilla		820 ft.			1
224530	Plastic Chain with Safety Warning Tags	White		100 ft.			1
224535	Plastic Chain with Safety Warning Tags	White		820 ft.			1
224634	Plastic Chain	Vanilla		820 ft.			1
224504	Roller Tube Taped				Aluminum	1-1/2 in. x 12 ft.	96
224503	Roller Tube Taped				Aluminum	1-1/4 in. x 12 ft.	120
224627	Roller Tube Taped				Aluminum	2 in. x 12 ft.	48
224628	Roller Tube Taped				Aluminum	2 in. x 16 ft.	64
224649	SafetyHold3	Clear					1

RollEase Roller Shade – Selecting Clutch and Tube Sizes

Shade Height (In.)  
Fabric Weight (Oz. Per Yd.)  
18 Oz. 12 Oz. 6 Oz.

Shade Width (In.)



1. IN THE LEFT HALF OF THE CHART, find the column appropriate for the shade's fabric. Read down that column until you reach the approximate height of the shade.
2. FOLLOW STRAIGHT ACROSS to the right half of the chart, as far as the vertical line that represents the shade's width.
3. THE CLUTCH AND TUBE SIZES SHOWN ARE THE MINIMUM you may use for that shade. You may, of course, use a heavier clutch or a larger tube. But using a lighter clutch might lead to clutch failure. Using a smaller tube might lead to bowing of the tube.

**Example:** What is the smallest clutch-and-tube combination for a 12 oz. shade that is 100 in. wide and 84 in. tall? The arrows (in the small chart below) that start from height = 84 in. and width = 100 in. show this to be an R16 clutch in 1 1/2 in. tube

For ordering assistance, contact Trivantage customer service at 800.786.1876 or visit the online Solair Shade Solutions Extranet for order forms and pricing.



## Somfy® Motors and Accessories for Interior Shades – R28 Motor

The Somfy® R28 motor is the perfect solution for hard-to-reach window coverings. Designed for roller/solar shades, sheer horizontals, Roman and woven wood shades. Battery powered. Installs in minutes.

<b>Warranty</b>	5-Year
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Item #	Style #	Description	Standard Package
276715	9018475	Crown for 1-1/2 in. RollEase Tube	1
276596	9018474	Crown for 1-1/4 in. RollEase Tube	1
276716	9018477	Drive for 1-1/2 in. RollEase Tube	1
276597	9018476	Drive for 1-1/4 in. RollEase Tube	1
276593	1002481	RTS Motor R28-12v	1
276713	9019235	Solar Pack WireFree Kit with Battery Pack	1

RollEase® is a registered trademark of RollEase, Inc. Somfy® is a registered trademark of Somfy Systems, Inc.



274546

## Somfy® Motors and Accessories for Interior Shades

Motorization for 1-1/4 inch and 1-1/2 inch RollEase® Roller Tube. Deductions for motorized operation are 1-1/8 inches.

<b>Warranty</b>	5-Year
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Item #	Style #	Description	Standard Package
274344	9013488	1-1/2 in. Crown and Drive Set	1
270597	1781148	Aluminum Roller Tube 2 in. x 20 ft.	100
275064	1030066	Sonesse RH RTS Motor 504S2	1
275063	1030065	Sonesse RTS Motor 504S2 with Hardwire Cable	1
274546	1810647	Telis Soliris RTS Patio Transmitter	1
274799	1822192	Transformer Plug-In 12v DC with 25 ft. Cable	1
276675	9016374	Y-Harness Extension Cable 2 ft.	1

RollEase® is a registered trademark of RollEase, Inc. Somfy® is a registered trademark of Somfy Systems, Inc.



276619

## Somfy® Motors and Accessories for Interior Shades – ST30 Motor

Motorization for 1-1/2 inch RollEase® Roller Tube using Somfy ST30 Sonesse Motor. Deductions for motorized operation are 1-1/8 inches.

<b>Warranty</b>	5-Year
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Item #	Style #	Description	Standard Package
276619	9013775	Crown and Drive Set 1-1/2 in.	1
276604	1822209	Transformer 24v 1.25A DC Wall Mount Plug-In with 10 ft. Cable	1

RollEase® is a registered trademark of RollEase, Inc. Somfy® is a registered trademark of Somfy Systems, Inc.

## Somfy® Home Automation

<b>Warranty</b>	5-Year
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Item #	Style #	Description	Standard Package
275033	1810791	RTS Repeater and Range Expander 120VAC 60Hz	1
275032	1810872	Universal RTS Interface II 16-Channel	1

Somfy® is a registered trademark of Somfy Systems, Inc.





# CLEAN, PROTECT AND ADHERE

Taking the proper steps to maintain fabric is essential to keep it looking beautiful and prolonging its life. Trust Trivantage® to stock the most reliable cleaners, protectants and adhesives.

ADHESIVES	166
CLEANER	169
PROTECTANTS	176





212502

## HH-66 Vinyl Cement

Easily and quickly applied, this cement provides a fast drying and exceptionally strong bond to all types of vinyl coated fabrics, plastics, metals, glass, wood and leather. It can also be used for sealing or waterproofing seams.

Item #	Fabric	Put Up	Standard Package
212498	Vinyl Coated	5 gal. can	1
212500	Vinyl Coated	8 oz. brushtop can	12
212502	Vinyl Coated	1 qt. brushtop can	12
212503	Vinyl Coated	1 gal. can	6
212504	Vinyl Coated	1 pt. brushtop can	12
212505	Vinyl Coated	4 oz. brushtop can	12

## HH-66 Thinner

Designed for use with HH-66 Vinyl Cement, this thinner removes unwanted HH-66 from surfaces and can be used to clean brushes, rollers and spray guns.

Item #	Fabric	Put Up	Standard Package
214326	Vinyl Coated	1 pt. can	1



230099

## Clearco 444

Excellent foam to foam, foam to fabric adhesive. Clearco 444 Spray Adhesive provides a clear web pattern ideal for porous and rough surfaces. Example: use when you need adhesive spray for upholstery, polyurethane foam, foam mattress, marine upholstery, urethane foam, polystyrene foam, fiberglass, polyurethane carpet, extruded polystyrene, polypropylene, water-white adhesive spray, lace spray pattern adhesive, low soak-in adhesive spray, asbestos abatement adhesive spray. Clearco 444 meets California VOC compliance.

Item #	Style #	Put Up	Standard Package
230099	444	12 oz. aerosol can	12



212402

## HAR Adhesive – 628 For Bonding Neoprene Coated Fabrics

A fast-drying, solvent based contact bond adhesive possessing unusually high strength and outstanding high and low temperature resistance in addition to excellent water, oil, grease, chemical and weather resistance. While primarily designed for bonding Neoprene, acrylic and canvas, this versatile adhesive may be used for bonding a wide variety of synthetic fabrics, rubber stocks, leather, rigid plastics, metals, wood, hardboard and many other porous and non-porous materials. Adhesive 628 applies easily with a brush, roller, trowel, or spray gun. One gallon covers approximately 250 to 300 square feet of surface area. Adhesive can be thinned with MEK or Acetone.

Subject to special handling charge by shippers. ICC Shipping Classification: Adhesive Cements, NOIBN, flammable liquid.

Item #	Put Up	Standard Package
212402	1 pt. brushtop can	24

## HAR Adhesive – 728 For Bonding Vinyl To Vinyl

A medium, fast-drying solvent-based synthetic resin adhesive designed primarily for bonding supported or unsupported vinyl fabric to itself or to various porous and non-porous materials. This cement is not recommended for laminates. (Adhesive 730 should be used for vinyl laminated fabrics.) Adhesive 728 may also be used for bonding polyurethane, canvas, synthetic fabrics, leather, metals, wood, glass, rigid plastics and some foams. Adhesive 728 applies easily with a brush, roller or spray gun. Adhesive 728 can be used on tarpaulins, awnings, tents, covers, drop cloths, liners, tops, textile bags and in truck and boat repair kits. One gallon covers approximately 250 to 300 square feet of surface area. Adhesive can be thinned with MEK or Acetone.

Subject to special handling charge by shippers. ICC Shipping Classification: Adhesive Cements, NOIBN, flammable liquid.

Item #	Put Up	Standard Package
212411	4 oz. brushtop can	24
212412	1 pt. brushtop can	24
212414	1 qt. can	6



212420

# HAR Adhesive – 730 For Bonding Vinyl-Laminated Fabrics

A fast-drying, solvent-based synthetic resin adhesive primarily designed for bonding laminated vinyl fabrics. Adhesive 730 may also be used for bonding vinyl-coated fabrics, polyurethane coated fabrics, many synthetic fabrics, canvas, leather, wood, metals, glass and various other products. Adhesive 730 under normal conditions of use will not blister or delaminate laminated vinyl fabrics. Adhesive 730 dried films are tough, flexible, clear, colorless, glossy and non-tacky. Adhesive 730 films are resistant to water, fuels, oils, greases, plasticizers, chemicals and weathering. Adhesive 730 applies easily using a brush, roller or spray gun. The shelf life of Adhesive 730 exceeds one year under normal storage conditions.

Adhesive 730 can be used in the manufacture and repair of tarpaulins, covers, awnings, tents, tops, dropcloths, liners, textile bags, and in boat, truck and pool repair kits. Adhesive can be thinned with MEK or Acetone.

Subject to special handling charge by shippers. ICC Shipping Classification: Adhesive Cements, NOIBN, flammable liquid.

Item #	Put Up	Standard Package
212420	4 oz. brushtop can	24
212421	1 pt. brushtop can	24



212430

# HAR Adhesive – 740 For Cotton Ducks

A quick-drying (1 hour) adhesive for bonding and repairing various cotton ducks. Apply to one surface only, using paddle or knife. Patch is flexible after drying; some absorption by fabric.

Subject to special handling charge by shippers. ICC Shipping Classification: Adhesive Cements, NOIBN, flammable liquid.

Item #	Put Up	Standard Package
212430	4 oz. brushtop can	24
212431	1 pt. brushtop can	24



265801

# HAR Adhesive – 729 Vinyl Seam Sealer

A fast-drying solvent-based synthetic resin adhesive primarily designed for sealing stitched seams on vinyl-coated and laminated fabrics, and many other fabrics. Dried films of Adhesive 729 will show no tackiness up to temperatures over 140° F and will retain flexibility at very low temperatures. Adhesive 729 can be easily applied using a brush, roller or spray gun. One gallon covers approximately 250 to 300 sq. ft. of surface area. Adhesive can be thinned with MEK or Acetone.

Subject to special handling charge by shippers. ICC Shipping Classification: Adhesive Cements, NOIBN, flammable liquid.

Item #	Put Up	Standard Package
265801	4 oz. brushtop can	24
265804	1 qt. can	6



## VLP® Vinyl Liquid Patch

An excellent adhesive for repairing pinholes, rips, tears, cuts, etc., on all types of vinyl. Available in 1 ounce tubes.

Item #	Put Up	Standard Package
214334	1 oz. tube	1

VLP® is a registered trademark of Plasti Dip International.



214362

## IOSSO® Seam Sealer

IOSSO Seam Sealer prevents most seams from leaking. Best for use on cotton, cotton blends, polyester and synthetic woven fabrics. Water repellency will vary with vinyl coated and vinyl laminated fabrics due to seam construction. It will not change the look or feel of the fabric. Ideal for boat covers, awnings, tents and backpacks.

Item #	Style #	Put Up	Standard Package
214200	10920	4 oz.	12
214362	10921	1 gal.	1

IOSSO® is a registered trademark of IOSSO Products, Inc.



212006

## Tear Mender

Mends instantly. Waterproof. Mends and repairs canvas, tarps, awnings, acrylic material, leather goods, work clothing, and any other material it can penetrate. UV resistant. Contains no harsh or harmful chemicals. Manufactured for a 2-year shelf life.

Tear Mender can be shipped via regular UPS – no hazardous handling fee required. Not shipped when temperatures are below freezing (32° F).

Item #	Style #	Put Up	Standard Package
212005	TM-1	2 oz.	12
212006	TG-6H	6 oz.	12
212007	TG-16	16 oz.	12
212011	TG-128	1 gal.	1
212012	TG-640	5 gal.	1



212041

## Tear-Aid® Patch Retail Kits

Made from an exceptionally tough, matte finish, abrasion resistant, polyurethane elastomer that resists puncture and tearing. It is combined with an aggressive adhesive formulated for high bond strength to a variety of surfaces. Holds air, holds water, won't pull off when stretched, see-thru patch, UV resistant, conforms to irregular surfaces, cuts easily with scissors, and won't turn gummy in high heat.

Type A Repairs: Canvas, most fabrics, rubber, neoprene, most plastics, nylon, fiberglass, stainless steel, aluminum, polyethylene, polypropylene, polyurethane, non-oiled leather, Sunbrella®.

Type B Repairs: Vinyl and vinyl-coated materials. Has a new, unique adhesive that resists the oils in vinyl that cause other adhesives to fail.

Each patch kit contains: (1) 3" x 12" patch that cuts with scissors to any size, (1) 7/8" x 7/8" patch, (1) 1 3/8" x 1 3/8" patch, (1) 12" reinforcement filament for repairing tears at edges, (2) alcohol preparation pads, (1) illustrated instructions and a product repair list. Retail kits include display.

Item #	Description	Standard Package
212041	Fabric Type A	1
212043	Fabric Type A	20
212040	Variety	1
212044	Vinyl Type B	20
212042	Vinyl Type B	1

Tear-Aid® is a registered trademark of TEARepair Inc. Sunbrella® is a registered trademark of Glen Raven, Inc.





212020

## Tear-Aid® Roll Patches

Repairing torn canvas, nylon, rubber, plastic or vinyl has never been easier with Tear-Aid Roll Patches. Clear, elastic Tear-Aid Roll Patches contain a high performance adhesive preapplied to a rugged backing that allows a tear to recover under pressure. No messy liquid adhesives are needed. All you do is peel and stick.

Tear-Aid Roll Patches are available in two styles – Type A and Type B. Type A is designed for the repair of canvas, nylon, rubber and plastic. Type A should not be used on vinyl or vinyl coated products, as the inherent oils in vinyl will cause the adhesive in Type A to fail prematurely. Type B has been designed specifically for the repair of vinyl or vinyl coated items only, as it contains special adhesives to resist the oils in vinyl that would otherwise cause premature failure.

Tear-Aid Roll Patches also have excellent durability against puncture, moisture, saltwater, sunlight and temperature. Convenient 30 foot rolls, in versatile widths of 3 inch or 6 inch, allow patches to be custom-cut and overlapped for unlimited size and unlimited repair applications, from boat tops, covers and seats, to canvas and vinyl tents and tarpaulins, to awnings, banners and umbrellas.



Item #	Description	Size	Standard Package
212020	Fabric Type A	3 in. x 30 ft.	1
212022	Fabric Type A	6 in. x 30 ft.	1
212021	Vinyl Type B	3 in. x 30 ft.	1
212023	Vinyl Type B	6 in. x 30 ft.	1

Tear-Aid® is a registered trademark of TEARepair Inc.



214309

## 210® Plastic Cleaner And Polish

Removes marks such as crayons, magic markers and paint over-spray. Cleaning is quick and easy, as 210 doesn't leave streaks or swirl marks. It provides an anti-static/anti-fog coating and seals pores in plastic for a protective coating that makes future cleaning easier. Gives plastic a clear, lustrous look and has a pleasant aroma. Use on a wide variety of surfaces including plastic, acrylic, formica, fiberglass, polycarbonate, PVC, polyester, vinyl and many others.

Item #	Description	Put Up	Standard Package
214309	Cleaner/Polish	14 oz. spray can	1

210® is a registered trademark of Camco Manufacturing.



214310

## 210® Plus Plastic Scratch Remover

An extremely mild abrasive compound in an anti-static/ anti-fog formula. Ideal for the removal of surface scratches and blemishes and for heavy-duty cleaning of all plastic materials. 210 Plus is water soluble and easy to use with superb results.

Item #	Put Up	Standard Package
214310	15 oz. bottle	1

210® is a registered trademark of Camco Manufacturing.



214091

## 303® Aerospace Protectant™

Regular use of 303 Aerospace Protectant offers 100% prevention of UV-caused slow-fade. No other protectant beautifies as intensely, protects as powerfully or lasts as long. Keeps UV-sensitive materials "like new" year after year. Use on patio furniture accessories, vehicles, sports equipment and more.

Apply only on clean surfaces and for best results use with 303 Multi-Surface Cleaner. To catch overspray, place a drop cloth under or around the surface to be treated. Do not apply in direct sunlight. Spray surface with Aerospace Protectant and wipe completely dry. If streaking occurs, too much product has been applied. Use a wet towel to remove excess, immediately wipe completely dry.

This product does not air dry. Extra buffing with a dry cloth increases bonding, repellency and longevity. Apply every three to five weeks for maximum UV protection.

Item #	Style #	Put Up	Standard Package
214083	30307-12	10 oz. trigger sprayer	12
214091	30340	16 oz. trigger sprayer	6
214092	30313	1 qt. refill	6
214093	30320	1 gal. refill	4

303® is a registered trademark of Gold Eagle, Inc. 303 Multi-Surface Cleaner™ is a trademark of Gold Eagle, Inc.



214115

## 303® Spot Cleaner

For carpeting, upholstery, outdoor fabric or any water-safe material. Safely removes even the most difficult stains; soils, oil, grease, ink, berry juice, wine and blood. Spray on, wipe or rinse clean. Leaves no residue. Excellent for machine extractors. No foam, no fumes, no odor.

Item #	Style #	Put Up	Standard Package
214115	30222	16 oz. trigger sprayer	6

303® is a registered trademark of Gold Eagle, Inc.



214080

## 303® Multi-Surface Cleaner™

303 Multi-Surface Cleaner is designed for marine canvas, fabric convertible tops, awnings, indoor and outdoor furniture, carpet and upholstery. It safely removes even the most difficult stains. Perfect to pre-clean canvas prior to re-treating with 303 Fabric Guard. Rinses residue free. No foam, no fumes, no odor.

To apply, spray directly on spot until wet. Agitate with a soft brush or wet cloth. Using a damp cloth, wipe up stain and excess cleaner, rinsing out the cloth in clean water as necessary. Let surface dry. For heavier soils, increase agitation and soak time. Repeat if necessary.

303 Multi-Surface Cleaner is endorsed by Glen Raven, Inc. for Sunbrella® fabrics.

303 products should not be used on Strataglass® and CrystalClear clear vinyl.

Item #	Style #	Put Up	Standard Package
214080	30207	32 oz. tigger sprayer	6
214085	30501	2 oz. pump sprayer	25
214116	30570	1 gal.	8

303® is a registered trademark of Gold Eagle, Inc. 303 Multi-Surface Cleaner™ is a trademark of Gold Eagle, Inc. Sunbrella® is a registered trademark of Glen Raven, Inc. Strataglass® is a registered trademark of Aberdeen Road Company.



214348

## 303® Clear Vinyl Protective Cleaner

303 Clear Vinyl Protective Cleaner, an ammonia- and alcohol-free product, is ideal for cleaning and protecting clear vinyl. Streak-free, it cleans and protects against cracking and yellowing.

Item #	Style #	Put Up	Standard Package
214348	30214	16-oz Trigger Sprayer	6
214349	30215	32 oz. tigger sprayer	6

303® is a registered trademark of Gold Eagle, Inc.



214098

## 303® Fabric Guard™

303 Fabric Guard is powerful enough to protect fabrics in the harshest environment... the outdoors. Yet Fabric Guard is safe for the finest fabrics, wool, silk and fine leathers – including suede. On outdoor fabrics, Fabric Guard restores lost water repellency and stain repellency to factory new levels. It protects against soiling and both water and oil-based stains, impedes mildew formation and helps protect against the sun's harmful UV rays.

Apply to fabric with temperature above 70°F/21°C (for best results, apply in full sun). Treated fabric must be protected from moisture until completely cured (12-24 hours depending on temperature). Fabric Guard may need reapplication depending on the fabric exposure to sunlight and weather conditions. Coverage is 40 to 75 sq. ft depending on the fabric and the application method (coverage is reduced when applied with paint roller or brush).

303 Fabric Guard is endorsed by Glen Raven, Inc. for retreatment of Sunbrella® awning, marine and casual furniture fabric.

Item #	Style #	Put Up	Standard Package
214086	30601	2 oz. pump sprayer	16
214096	30607	1 gal. refill	4
214098	30605	16 oz. trigger sprayer	6
214345	30606	32 oz. trigger sprayer	6

303® is a registered trademark of Gold Eagle, Inc. 303 Fabric Guard™ is a trademark of Gold Eagle, Inc. Sunbrella® is a registered trademark of Glen Raven, Inc.



214011

## Polyfab™ Pro Shade Sail Cleaner

A concentrated, high-strength cleaner, designed to remove difficult soils from tension shade structures such as hip and ridge and tension membrane shade sails made of Polyfab HDPE knitted sailcloth (or equivalent quality fabric), PVC coated or laminated fabrics. The cleaner is environmentally friendly, non-toxic, biodegradable, and contains no butyl. Protect from freezing. Best if used above 45°.

Depending on the degree and type of soiling, method of application, concentration and environmental conditions, you may expect to clean approximately 600 square feet per gallon.

Item #	Put Up	Standard Package
214010	32 oz. bottle	12
214011	1 gal.	4

Polyfab™ is a trademark of Polyfab USA.



214217

## APCO VinylClean Plus™

VinylClean Plus is a concentrated, heavy-duty vinyl cleaner and de-oxidizer. Effective for the removal of most soils and chalking due to plasticizer migration.

VinylClean Plus may be safely used on virtually any vinyl surface. Strong enough to remove stains, yet safe to use on a frequent maintenance schedule. Depending on the degree and type of soiling, method of application, concentration and environmental conditions, expect to clean approximately 600 square feet per gallon.

Item #	Description	Put Up	Standard Package
214214	Concentrate	1 gal.	4
214217	Concentrate	32 oz.	12
214215	Concentrate	5 gal.	1
214216	Ready-To-Use	32 oz. sprayer	12

VinylClean Plus™ is a trademark of APCO Products.





214218

## APCO Vinyl Protector

Vinyl Protector replenishes and maintains vitality to vinyl fabrics that have been subjected to environmental exposure and plasticizer migration. It's formulated to repel dirt, inhibit stains, and minimize UV damage.

Vinyl Protector should be applied following every cleaning to help maintain the appearance of vinyl by offering soil, UV and mildew protection. Depending upon the type and condition of the fabric, method of application and environmental conditions, expect approximately 600 square feet per gallon of surface protection.

Item #	Put Up	Standard Package
214218	1 gal.	4
214220	32 oz. sprayer	12
214219	5 gal.	1



214224

## APCO FabClean™ Green

FabClean Green is a concentrated, high-strength green cleaning solution designed for the maintenance of open weave fabrics such as awnings, boat tops, covers and enclosures, and outdoor furniture cushions. FabClean Green can be used for general maintenance and heavily soiled conditions. Depending on the degree and type of soiling, method of application, concentration and environmental conditions, expect to clean approximately 500 square feet per gallon.

Item #	Description	Put Up	Standard Package
214224	Ready-To-Use	32 oz. sprayer	12

FabClean™ is a trademark of APCO Products.



213980

## IMAR™ #301 Strataglass® Protective Cleaner

Uniquely formulated to clean, shine and protect Strataglass and CrystalClear clear vinyl and its scratch-resistant protective coating. Special UV inhibitors significantly extend the useful life of Strataglass by minimizing the deteriorating effects of sunlight. This helps defeat age-induced brittleness and promotes continued flexibility. Safe to use daily and is recommended to be used often to properly maintain the clarity of Strataglass. Helps rejuvenate the protective properties of IMAR Strataglass Protective Polish #302, which should be used on a less frequent but regular schedule.

Strataglass, Inc., manufacturers of Strataglass and CrystalClear, endorse IMAR.

Strataglass Protective Cleaner and IMAR Strataglass Protective Polish for maximum benefit and recommend its regular use on Strataglass and CrystalClear. Use of any cleaner or polish product other than IMAR Strataglass Protective Cleaner and Polish voids the factory warranty.

Item #	Style #	Put Up	Standard Package
213980	301	4 oz. spray bottle	24
213981	301	16 oz. spray bottle	12
213983	301	1 gal. bottle	4

IMAR™ is trademark of IMAR Products, LLC. Strataglass® is a registered trademark of Aberdeen Road Company.



213985

## IMAR™ #302 Strataglass® Protective Polish

A polymer-based product formulated to safely clean, polish and protect Strataglass and CrystalClear clear vinyl and its scratch-resistant protective coating. Designed with a unique molecular bonding that creates a nearly invincible protective barrier against the damaging effects of marine environment pollutants. Recommended for use every 2 to 3 months and every 4 to 6 weeks in areas of high fallout. Frequent use of IMAR Strataglass Protective Cleaner #301 between polishing will increase protection by rejuvenating the protective qualities of IMAR Strataglass Protective Polish.

Item #	Style #	Put Up	Standard Package
213984	302	4 oz. spray bottle	24
213985	302	16 oz. bottle	12
213987	302	1 gal. bottle	4

IMAR™ is trademark of IMAR Products, LLC. Strataglass® is a registered trademark of Aberdeen Road Company.



213988

## IMAR™ #401 Yacht Soap Concentrate

Formulated with a unique blend of surfactants to create its highly polished appearance. Its non-streaking, non-spotting formulation rinses clear and decreases drying time. IMAR Yacht Soap Concentrate avoids the use of harsh alkalis, acids and abrasives, so it protects durable polishes while thoroughly cleaning. This is the perfect complement to Strataglass® Protective Cleaner and Strataglass Protective Polish.

Item #	Style #	Put Up	Standard Package
213988	401	4 oz. bottle	24
213989	401	16 oz. bottle	12

IMAR™ is trademark of IMAR Products, LLC. Strataglass® is a registered trademark of Aberdeen Road Company.



213993

## IMAR™ #402 Yacht Polish

Its unique blend of polymers cleans, polishes, shines and protects fiberglass, gel coat, metal paint and other marine environment hard surfaces. Safely removes light oxidation, marks and stains while creating a protective barrier to UV damage, soil, back scuffs, insect droppings, mildew and other stains.

Item #	Style #	Put Up	Standard Package
213993	402	16 oz. bottle	12

IMAR™ is trademark of IMAR Products, LLC.



213971

## IMAR™ #601 Stamoid® Marine Vinyl Protective Cream

This polymer-based cream is specially formulated to protect Stamoid and other vinyl fabrics in marine environments. It maintains the like-new suppleness and luster of fabrics. With UV protection, static resistance and life-extending plasticizers, the proprietary formulation causes molecular bonding which creates a virtually impregnable protective barrier. Recommended usage is every 2-3 months.

Item #	Style #	Put Up	Standard Package
213971	601	16 oz. bottle	12

IMAR™ is a trademark of IMAR Products, LLC. Stamoid® is a registered trademark of The Serge Ferrari Group.



213972

## IMAR™ #602 Stamoid® Marine Vinyl Protective Spray

Formulated to clean, shine and protect Stamoid marine vinyl and similar vinyl products, this protective spray has special UV inhibitors. It will significantly extend the useful life of vinyl fabrics by minimizing the deteriorating effects of direct sunlight. UV protection, coupled with the rejuvenation effects of plasticizers, help eliminate age-induced brittleness and assure a longer product life. This IMAR protective spray enhances the protective qualities of IMAR #601 Stamoid Marine Protective Cream.

Item #	Style #	Put Up	Standard Package
213972	602	16 oz. spray bottle	12

IMAR™ is a trademark of IMAR Products, LLC. Stamoid® is a registered trademark of The Serge Ferrari Group.



213973

## IMAR™ #603 Stamoid® Marine Vinyl Cleaner

Specially formulated to gently but thoroughly clean Stamoid and other marine vinyls. It will not harm clear vinyls such as Strataglass®, when used according to the instructions. Frequent use is recommended, particularly in areas of high environmental pollutants. Application of IMAR Stamoid Marine Vinyl Protective Cream and IMAR Stamoid Marine Vinyl Protective Spray between cleanings will assure the continued like-new appearance of vinyl products.

Item #	Style #	Put Up	Standard Package
213973	603	16 oz. bottle	12

IMAR™ is a trademark of IMAR Products, LLC. Stamoid® is a registered trademark of The Serge Ferrari Group. Strataglass® is a trademark of Aberdeen Road Company.



213974

## IMAR® #604 Stamoid® Marine Vinyl Care Bucket

Stamoid® Marine Vinyl Care Bucket contains a 2-1/2 gallon bucket with a sponge pad and one (1) each of IMAR Stamoid Marine Vinyl Protective Cream, IMAR Stamoid Marine Vinyl Protective Spray and IMAR Stamoid Marine Vinyl Cleaner. All in 16 ounce sizes.

Item #	Style #	Standard Package
213974	604	1

IMAR™ is a trademark of IMAR Products, LLC. Stamoid® is a registered trademark of The Serge Ferrari Group.



213978

## IMAR® #42 Detail Kit

Detail Kit #42 contains one each of IMAR Strataglass® Protective Cleaner, IMAR Strataglass Protective Polish and IMAR Yacht Soap Concentrate. All in 4 ounce sizes.

Item #	Style #	Standard Package
213978	42	12

IMAR™ is a trademark of IMAR Products, LLC. Strataglass® is a registered trademark of Aberdeen Road Company.



## IOSSO® Mold And Mildew Stain Remover



214191

Removes mold, mildew, algae stain, tough dirt, oils, leaf stains, tree sap, bird droppings, food stains, and blood stains. Recommended for use on awnings, canopies, tents, patio furniture, cushions, umbrellas, spa covers, tarps, boat covers, camping gear, vinyl, plastic and fiberglass. It is gentle to skin and has no harmful vapors. Just add water to the biodegradable, non-chlorine powder and work the solution into the soiled area.

One gallon covers up to 150 square feet. The 12 ounce jar makes three gallons of solution. The 4 ounce jar makes one gallon of solution. The 65 ounce pail mixes up 16 gallons of solution.

Item #	Style #	Put Up	Standard Package
214181	12911	4 oz. tube	6
214190	10900	12 oz. jar	6
214191	10905	65 oz. pail	1

IOSSO® is a registered trademark of IOSSO Products, Inc.

## IOSSO® Water Repellent



214194

Effective on all fabrics. Protects from water, soils, oils, bird droppings, and environmental pollutants. It resists mildew, stains, and increases weatherability. Will not change the color, feel or breathability of the fabric. Recommended for use on awnings, canopies, tents, patio furniture cushions, umbrellas, spa covers, tarps, boat covers, bimini tops, hunting fabrics, camping gear, leather, synthetics, and vinyl. Formula is non-solvent and non-silicon. For Ready-To-Use, the 32 ounce bottle covers approximately 37 square feet and one gallon covers up to 150 square feet. For Concentrate, 32 ounces makes 2 gallons, 1 gallon makes 5 gallons and 5 gallons makes 25 gallons.

Item #	Style #	Description	Put Up	Standard Package
214378	10919	Concentrate	32 oz.	12
214358	11905	Concentrate	5 gal.	1
214195	10918	Concentrate	1 gal.	1
214171	10916	Ready-Use	32 oz. spray bottle	6
214354	11900	Ready-Use	5 gal.	1
214194	10917	Ready-Use	1 gal.	1

IOSSO® is a registered trademark of IOSSO Products, Inc.

## IOSSO® Fabric Cleaner & Protectant Kit



214373

Fabric Cleaner/Protectant Kit for Awnings, Boat Covers and RV/Campers.

Perfect for your showroom or shop counter display, this kit contains one jar of Mold and Mildew Stain Remover and one bottle of Water Repellent Concentrate. That's enough to clean and protect up to 450 square feet of fabric. The products are packaged together in an attractive point-of-purchase display box.

Item #	Style #	Standard Package
214373	10901	1

IOSSO® is a registered trademark of IOSSO Products, Inc.

## IOSSO® Metal Polish



214186

Removes oxidation, tarnish, surface rust and water spots. Polishes to a high shine and protects for months. Recommended for all types of metals including stainless steel, aluminum, copper, brass, silver and gold. Cleans without scratching.

Item #	Style #	Put Up	Standard Package
214186	10333	3 oz. tube	12

IOSSO® is a registered trademark of IOSSO Products.



214314

## Klear-To-Sea™

A cleaner and preservative, Klear-To-Sea is formulated for plastics, clear vinyl windshields, mirrors, glass and much more. Cleaning is quick and easy with no streaks or smudging and resists fingerprints. Klear-to-Sea leaves an anti-static, anti-fog invisible film coating, with UV protection, that also protects against salt spray.

Item #	Put Up	Standard Package
214313	19 oz. can	12
214314	16 oz. pump	12

Klear-To-Sea™ is a registered trademark of Doctor Klear, Inc.



214460

## Super-Tuff™

Super-Tuff™ can be used as an all purpose cleaner and degreaser, mildew remover (non-toxic), and spot cleaner. It is safe for most washable surfaces and fabrics. Available in quart size.

Item #	Put Up	Standard Package
214460	1 qt.	1

Super-Tuff™ is a trademark of Doctor Klear, Inc.



210801

## Canvak

Canvak is a refinishing compound that restores water repellency to cotton fabrics. It is normally sold as a semi-clear solution which may be applied to any color fabric. However, it contains wax and may leave a water repellent film on the fabric. It is recommended that Canvak be applied to a small inconspicuous area first to be sure the product will create the desired results. Canvak is not recommended for use on synthetic fabrics. One gallon covers 100 square feet and can be applied via brush or spray.

Buckeye Fabric Finishing Co. warning for Canvak: Flammable. Keep away from heat and open flame. Do not use near welding, cutting torch, or metal scraping tools. Close container after each use. Flash point 104°. Use in a well-ventilated area. Avoid repeated or prolonged contact with skin and breathing of vapors or mist spray. Neoprene gloves recommended for long exposure. Excessive inhalation could cause dizziness or nausea. Can cause severe eye irritation. Flush eyes with large amounts of water. Wear splash goggles for eye protection. Do not ingest. Swallowing could cause vomiting and diarrhea, and could possibly be fatal.

Item #	Color	Put Up	Standard Package
210801	Clear	1 gal.	6



214199

## IOSSO® E-Z Snap Lubricant

For snaps, zippers, hinges and hardware. Lubricates, waterproofs and reduces friction. It keeps snaps from corroding and locking up. It keeps zippers free flowing. E-Z Snap will not rinse away or dissipate in hot weather. The formula is non-hazardous and does not contain solvents, silicone or Teflon®. Great on boat covers, tents and campers.

Item #	Style #	Put Up	Standard Package
214199	10909	1.5 oz.	24

IOSSO® is a registered trademark of IOSSO Products, Inc. Teflon® is a registered trademark of E. I. DuPont Nemours and Company.



230140

## Mr. Clearco Food Grade Silicone Spray

Mr. Clearco Food Grade Silicone Spray is formulated for a wide array of applications to prevent sticking and to provide slide. The active ingredient is polydimethylsiloxane (CAS # 63148-62-9) that is clear, colorless, odorless and inert. The silicone film that is imparted on the surface provides excellent lubricity, high dielectric strength, and protection against corrosion. It is safe to use on the majority of plastic and rubber surfaces. For lubrication applications involving plastic, rubbers and foams, it is an excellent choice.

Mr. Clearco Silicone Spray meets California VOC and OTC Compliancy for Industrial Use. It contains no hexane, acetone, CFC's or ozone depleting chemicals. The can's spray heads and valves provide maximum efficiency.

### Sewing and Cutting Room Applications

Reduces friction and wear when applied to fabric cutting tables, bobbins, sewing needles, presser feet, and sewing thread.

### Upholstery/Furniture Applications

Prevents polyurethane foam from sticking to tabletops, allows cellophane, film, saran and vinyl polyethylene to move freely over sprayed surfaces. Provides slide for plastic, prevents glue and adhesive from adhering, stops squeaking in doors, windows and assemblies. Prevents jamming of equipment caused by glues, adhesives, waxes, etc.

Item #	Put Up	Standard Package
230140	13 oz. aerosol can	12



214324

## Ultra Tef-Gel®

The function of Tef-Gel in eliminating dissimilar metal corrosion is the elimination of electrolytes from entering the interface of the metallic surfaces. Tef-Gel paste contains 40% PTFE powder and 0% volatile solvents, no silicones or petroleum solvents to evaporate, which would leave voids for electrolytes to be drawn into creating a galvanic cell. When both surfaces are coated and mated with Tef-Gel there are no voids for electrolytes (saltwater) to be drawn in by capillary action over extended periods of time.

Thread galling is a common, yet seldom understood problem with threaded fasteners. Galling, often referred to as a cold-welding process, can occur when the surfaces of male and female threads are placed under heavy pressure.

Stainless steel fasteners are particularly susceptible to thread galling, although it also occurs in other alloys that self-generate an oxide surface film, such as aluminum and titanium. During the tightening of the fastener, pressure builds between the contacting thread surfaces and breaks down the protective oxide coatings. With the absence of the oxide coating, the metal high points of the threads are exposed to one another, which increases friction. The combination of these two events can generate enough heat to fuse and seize the nut and bolt together.

Galling can be minimized with the following measures:

Thread lubrication is one of the most effective measures to decrease the potential for galling. The lubricant reduces friction, which is a key element in thread galling. There are some outstanding PTFE based coatings that can be applied to stainless steel fasteners. They are able to drastically reduce the frictional coefficient.

Item #	Style #	Put Up	Standard Package
214324	TG-04	4 oz. tub	1

Tef-Gel® is a registered trademark of Ultra Safety Systems, Inc.







## HARDWARE: THE RIGHT SUPPLIES

Get the job done right. Trivantage® carries trusted tools like hammers, hole cutters, the Engel hot knife, awls, the Osborne staple remover, zipper jigs, grommets and scissors as well as finishing supplies like thread, webbing, tape and rope from brands like Gore® Tenara®, PremoBond, VELCRO®, Coats, YKK® and Sunbrella®. Find tough materials that stand up to weather, like corrosion-resistant marine hardware and shade sail and awning hardware. The supplies you use should be the same as your craftsmanship—exceptional.



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# SolaMesh® Shade Sail Hardware

Engineered to work seamlessly with SolaMesh shade sail fabric, SolaMesh hardware is available in a variety of sizes to meet all demands. Made of stainless steel type 316, it is built for lifting and rigging purposes. SolaMesh hardware is backed by a 5-year warranty.

Note: The completed structure should be properly designed by a professional engineer and installed by an experienced contractor in accordance with local building codes. It is the responsibility of the fabricator to determine the right hardware for a specific structure. It is recommended that an anti-seize product like Ultra Tef-Gel Marine Lubricant (Item #214324) be used on turnbuckle threads to reduce binding.

Warranty	5-Year
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Item #	Description	Height	Inside Diameter	Length	Material	Put Up	Size	Size Opening	Tapped Thread	Threaded For Size	Width
207020	Turnbuckle Jaw/Jaw			196 mm (7.72 in.)	Stainless Steel Type 316	1/each	8 mm (5/16 in.)	11 mm (0.43 in.)			
207021	Turnbuckle Jaw/Jaw			238 mm (9.37 in.)	Stainless Steel Type 316	1/each	10 mm (3/8 in.)	12 mm (0.47 in.)			
207022	Turnbuckle Jaw/Jaw			324 mm (12.76 in.)	Stainless Steel Type 316	1/each	12 mm (7/16 in.)	14 mm (0.55 in.)			
207023	Turnbuckle Hook/Hook			200 mm (7.87 in.)	Stainless Steel Type 316	1/each	8 mm (5/16 in.)	10 mm (0.39 lbs.)			
207024	Turnbuckle Hook/Hook			240 mm (9.45 lbs.)	Stainless Steel Type 316	1/each	10 mm (3/8 in.)	12 mm (0.47 in.)			
207025	Spring Hook		12 mm (0.47 in.)	80 mm (3.15 in.)	Stainless Steel Type 316	1/each	8 mm (5/16 in.)	9 mm (0.35 in.)			
207026	Spring Hook		15 mm (0.59 in.)	100 mm (3.94 in.)	Stainless Steel Type 316	1/each	10 mm (3/8 in.)	12 mm (0.47 in.)			
207027	Cable Dee Ring	58 mm (2.28 in.)			Stainless Steel Type 316	1/each	6 mm x 50 mm (5/16 in. x 2 in.)				52 mm (2.05 in.)
207028	Cable Dee Ring	64 mm (2.52 in.)			Stainless Steel Type 316	1/each	8 mm x 50 mm (3/8 in. x 2 in.)			M8	54 mm (2.13 in.)
207029	Cable Dee Ring	70 mm (2.76 in.)			Stainless Steel Type 316	1/each	10 mm x 55 mm (7/6 in. x 2-3/16 in.)			M8	56 mm (2.2 in.)
207030	Dee Ring Thimble	57 mm (2.24 in.)			Stainless Steel Type 316	1/each	6 mm x 50 mm (5/16 in. x 2 in.)				64 mm (2.52 in.)
207031	Dee Ring Thimble	62 mm (2.44 in.)			Stainless Steel Type 316	1/each	8 mm x 50 mm (3/8 in. x 2 in.)				69 mm (2.72 in.)
207032	Dee Ring Thimble	76 mm (2.99 in.)			Stainless Steel Type 316	1/each	10 mm 65 mm (7/16 in. x 2-9/16 in.)				87 mm (3.43 in.)
207033	Dee Ring	47 mm (1.85 in.)		50 mm (1.97 in.)	Stainless Steel Type 316	1/each	6 mm x 50 mm (1/4 in. x 2 in.)				
207034	Dee Ring	47 mm (1.85 in.)		50 mm (1.97 in.)	Stainless Steel Type 316	1/each	8 mm x 50 mm (3/16 in. x 2 in.)				
207035	Triangle	50 mm (1.97 in.)		50 mm (1.97 in.)	Stainless Steel Type 316	1/each	6 mm x 50 mm (1/4 in. x 2 in.)				
207036	Triangle	50 mm (1.97 in.)		50 mm (1.97 in.)	Stainless Steel Type 316	1/each	8 mm x 50 mm (3/16 in. x 2 in.)			M8	
207037	Bow Shackle			32 mm (1.26 in.)	Stainless Steel Type 316	1/each	8 mm (5/16 in.)	16 mm (0.63 in.)			
207038	Bow Shackle			40 mm (1.57 in.)	Stainless Steel Type 316	1/each	10 mm (3/8 in.)	20 mm (0.79 in.)			



207020



207023



207025



207027



207030



207033



207035



Item #	Description	Height	Inside Diameter	Length	Material	Put Up	Size	Size Opening	Tapped Thread	Threaded For Size	Width
207039	Bow Shackle			48 mm (1.89 in.)	Stainless Steel Type 316	1/each	12 mm (7/16 in.)	24 mm (0.94 in.)			
207040	Dee Shackle			32 mm (1.26 in.)	Stainless Steel Type 316	1/each	8 mm (5/16 in.)	16 mm (0.63 in.)			
207041	Dee Shackle			40 mm (1.57 in.)	Stainless Steel Type 316	1/each	10 mm (3/8 in.)	20 mm (0.79 in.)			
207042	Long Dee Shackle			64 mm (2.52 in.)	Stainless Steel Type 316	1/each	8 mm (5/16 in.)	16 mm (0.63 in.)			
207043	Long Dee Shackle			80 mm (3.15 in.)	Stainless Steel Type 316	1/each	10 mm (3/8 in.)	20 mm (0.79 in.)			
207044	Twisted Dee Shackle			48 mm (1.89 in.)	Stainless Steel Type 316	1/each	8 mm (5/16 in.)	16 mm (0.63 in.)			
207045	Twisted Dee Shackle			60 mm (2.36 in.)	Stainless Steel Type 316	1/each	10 mm (3/8 in.)	20 mm (0.79 in.)			
207046	Diamond Pad Eye			90 mm (3.54 in.)	Stainless Steel Type 316	1/each	90 mm x 55 mm (3-1/2 in. x 2-9/16 in.)				55 mm (2.17 in.)
207047	Diamond Pad Eye			100 mm (3.94 in.)	Stainless Steel Type 316	1/each	100 mm x 62 mm (4 in. x 2-1/2 in.)				62 mm (2.44 in.)
207048	Diagonal Eye Wall Plate			100 mm (3.94 in.)	Stainless Steel Type 316	1/each	100 mm				100 mm (3.94 in.)
207049	Diagonal Eye Wall Plate			150 mm (5.91 in.)	Stainless Steel Type 316	1/each	150 mm				150 mm (5.91 in.)
207050	Eye Bolt, Nut, Washer		20 mm (0.79)	100 mm (3.94 in.)	Stainless Steel Type 316	1/each	8 mm x 100 mm (5/16 in. x 4 in.)		8 mm (0.31 in.)		
207051	Eye Bolt, Nut, Washer		20 mm (0.79 in.)	150 mm (5.91 in.)	Stainless Steel Type 316	1/each	8 mm x 150 mm (5/16 in. x 6 in.)		8 mm (0.31 in.)		
207052	Eye Bolt, Nut, Washer		23 mm (0.91 in.)	150 mm (5.91 in.)	Stainless Steel Type 316	1/each	10 mm x 150 mm (7/16 in. x 6 in.)		10 mm (0.39 in.)		
207053	Rope Clamp			33 mm (1.3 in.)	Rope Clamp	1/each	6 mm (5/16 in.)				26 mm (1.02 in.)
207054	Rope Clamp			35 mm (1.38 in.)	Stainless Steel Type 316	1/each	8 mm (3/8 in.)				32 mm (1.26 in.)
207055	Rope Clamp			40 mm (1.57 in.)	Stainless Steel Type 316	1/each	10 mm (7/16 in.)				37 mm (1.46 in.)
207056	Thimble		10/16"	26 mm (1.02 in.)	Stainless Steel Type 316	1/each	6 mm (5/16 in.)				
207057	Thimble		18 mm (0.71 in.)	33 mm (1.3 in.)	Stainless Steel Type 316	1/each	8 mm (3/8 in.)				
207058	Thimble		23 mm (0.91 in.)	48 mm (1.89 in.)	Stainless Steel Type 316	1/each	10 mm (7/16 in.)				
207059	Shade Sail Wire Rope				Stainless Steel Type 316	492 ft.	6 mm (5/16 in.)				
207060	Shade Sail Wire Rope				Stainless Steel Type 316	328 ft.	8 mm (3/8 in.)				
207061	Shade Sail Wire Rope				Stainless Steel Type 316	328 ft.	10 mm (7/16 in.)				
207062	Eye Bolt		20 mm (0.79 in.)	80 mm (3.15 in.)	Stainless Steel Type 316	1/each	8 mm x 80 mm (5/16 in. x 3-1/8 in.)		8 mm (0.31 in.)		



207039



207042



207046



207048



207051



207053



207061

Item #	Description	Height	Inside Diameter	Length	Material	Put Up	Size	Size Opening	Tapped Thread	Threaded For Size	Width
207063	Eye Bolt		23 mm (0.91 in.)	80 mm (3.15 in.)	Stainless Steel Type 316	1/each	10 mm x 80 mm (3/8 in. x 3-1/8 in.)		10 mm (0.39 in.)		
207064	Eye Bolt		25 mm (0.98 in.)	100 mm (3.94 in.)	Stainless Steel Type 316	1/each	12 mm x 100 mm (1/2 in. x 4 in.)		12 mm (0.47 in.)		
207066	Snap Hook			53 mm (2.09 in.)	Stainless Steel Type 316	1/each	2 in. x 0.62 in.	16 mm (0.63 in.)			
207067	Turnbuckle Eye/ Eye			195 mm (7.68 in.)	Stainless Steel Type 316	1/each	8 mm (5/16 in.)	14 mm (0.55 in.)			
207068	Turnbuckle Eye/ Eye			240 mm (9.45 in.)	Stainless Steel Type 316	1/each	10 mm (3/8 in.)	16 mm (0.63 in.)			
207069	Turnbuckle Eye/ Eye			310 mm (12.2 in.)	Stainless Steel Type 316	1/each	12 mm (7/16 in.)	18 mm (0.71 in.)			
207070	Pad-Eye				Stainless Steel Type 316	1/each		16 mm (0.63 in.)			

SolaMesh® is a registered trademark of Glen Raven, Inc.



240075



240015



240020



240008



240045



240057

## Polyfab™ Pro Shade Sail Hardware

This premium line of hardware is ideal for use in tension shade structures such as hip and ridge and tension membrane shade sails. Use in conjunction with HDPE knitted shadecloth or equivalent fabrics. Polyfab Pro hardware is backed by a 5-year warranty.

Note: The finished structure should be properly engineered by a professional engineer and installed by a qualified contractor in accordance with local building codes. It is the responsibility of the fabricator to determine the proper hardware for a particular installation. It is recommended that an anti-seize product such as Ultra Tef-Gel Marine Lubricant (Item #214324) be used on turnbuckle threads to minimize binding.

Please refer to [www.trivantage.com](http://www.trivantage.com) for proper care and cleaning of all Polyfab Pro hardware.

Warranty	5-Year
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Item #	Style #	Description	Material	Put Up	Size	Standard Package	Threaded For Size
240075	HS-345CR	Croc Heavy Duty Hand Swage Tool for 3, 3.2, 4, 5mm Wire		1/each		1	
240013	SS-SD-08	Polyfab Dee Shackle	AISI 316 Stainless Steel	1/each	8 mm	1	M8
240014	SS-SD-10	Polyfab Dee Shackle	AISI 316 Stainless Steel	1/each	10 mm	1	M10
240016	SS-SLD-10	Polyfab Long Dee Shackle	AISI 316 Stainless Steel	1/each	10 mm	150	M10
240015	SS-SLD-08	Polyfab Long Dee Shackle	AISI 316 Stainless Steel	1/each	8 mm	150	M8
240020	SS-SLT-08	Polyfab Long Twisted Shackle	AISI 316 Stainless Steel	1/each	8 mm	280	M8
240021	SS-SLT-10	Polyfab Long Twisted Shackle	AISI 316 Stainless Steel	1/each	10 mm	150	M10
240008	SS-TBST-12	Polyfab Pro Closed-Body Turnbuckle with Swivel Toggle Ends	AISI 316 Stainless Steel	1/each	12mm (1/2 ")	50	M12
240045	SS-DRG-06	Polyfab Pro Dee Ring	AISI 316 Stainless Steel	1/each	6 x 50 mm	500	
240046	SS-DRG-08	Polyfab Pro Dee Ring	AISI 316 Stainless Steel	1/each	8 x 50 mm	300	
240057	SS-DRTH-1065	Polyfab Pro Dee Ring Thimble	AISI 316 Stainless Steel	1/each	10 x 65 mm	70	



240056



240090



240094



240082



240113



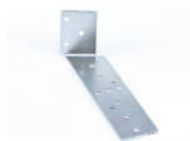
240032



240030



240104



240101

Item #	Style #	Description	Material	Put Up	Size	Standard Package	Threaded For Size
240055	SS-DRTH-650	Polyfab Pro Dee Ring Thimble	AISI 316 Stainless Steel	1/each	6 x 50 mm	300	
240056	SS-DRTH-850	Polyfab Pro Dee Ring Thimble	AISI 316 Stainless Steel	1/each	8 x 50 mm	230	
240091	ZN-WPD-150	Polyfab Pro Diagonal Eye Wall Plate	Zinc Plated Steel	1/each	150 mm	1	
240090	ZN-WPD-100	Polyfab Pro Diagonal Eye Wall Plate	Zinc Plated Steel	1/each	100 mm	20	
240095	SS-PED-90	Polyfab Pro Diamond Pad Eye	AISI 316 Stainless Steel	1/each	80 mm	50	
240096	SS-PED-100	Polyfab Pro Diamond Pad Eye	AISI 316 Stainless Steel	1/each	100 mm	30	
240094	SS-WPD-180	Polyfab Pro Diamond Wall Plate with 100mm Shackle Eye	AISI 316 Stainless Steel	1/each	180 x 110 mm	1	
240052	SS-DRHD-10	Polyfab Pro Easy-Hold Dee Ring	AISI 316 Stainless Steel		10 x 55 mm	1	
240051	SS-DRHD-08	Polyfab Pro Easy-Hold Dee Ring	AISI 316 Stainless Steel	1/each	8 x 50 mm	300	
240050	SS-DRHD-05	Polyfab Pro Easy-Hold Dee Ring	AISI 316 Stainless Steel	1/each	5 x 50 mm	1	
240082	ZN-CBEX-100120	Polyfab Pro External Corner Bracket	Zinc Plated Steel	1/each	100 x 120 mm	10	
240080	ZN-CBEX-100	Polyfab Pro External Corner Bracket	Zinc Plated Steel	1/each	100 mm	10	
240083	ZN-CBEX-250	Polyfab Pro External Corner Bracket	Zinc Plated Steel	1/each	250 mm	10	
240113	ZN-CBEX-150	Polyfab Pro External Corner Bracket	Zinc Plated Steel	1/each	150 mm	1	
240053	SS-EYBC-12	Polyfab Pro Eye Bolt with Collar	AISI 316 Stainless Steel	1/each	12 mm	1	M12
240049	SS-EYBC-10	Polyfab Pro Eye Bolt with Collar	AISI 316 Stainless Steel	1/each	10 mm	1	M10
240048	SS-EYBC-08	Polyfab Pro Eye Bolt with Collar	AISI 316 Stainless Steel	1/each	8 mm	1	M8
240032	SS-EYB-10120	Polyfab Pro Eye Bolt, Nut, 2 Washers	AISI 316 Stainless Steel	1/each	10 x 120 mm	50	M10
240047	SS-EYN-10	Polyfab Pro Eye Nut	AISI 316 Stainless Steel	1/each	10 mm	1	M10
240044	SS-EYN-08	Polyfab Pro Eye Nut	AISI 316 Stainless Steel	1/each	8 mm	1	M8
240030	SS-EYN-12	Polyfab Pro Eye Nut	AISI 316 Stainless Steel	1/each	12 mm	50	M12
240036	SS-EYNB-10100	Polyfab Pro Eye Nut Bolt, Nut, Washer	AISI 316 Stainless Steel	1/each	10 x 100 mm	50	M10
240037	SS-EYNB-10600	Polyfab Pro Eye Nut Bolt, Nut, Washer	AISI 316 Stainless Steel	1/each	10 x 160 mm	50	M10
240064	SS-EYNB-12150	Polyfab Pro Eye Nut Bolt, Nut, Washer	AISI 316 Stainless Steel	1/each	12 x 150mm	1	M12
240054	SS-EYNB-12120	Polyfab Pro Eye Nut Bolt, Nut, Washer	AISI 316 Stainless Steel	1/each	12 x 120mm	1	M12
240038	SS-EYNB-12200	Polyfab Pro Eye Nut Bolt, Nut, Washer	AISI 316 Stainless Steel	1/each	12 x 200 mm	40	M12
240104	ZN-FB2W	Polyfab Pro Fascia Bracket Two Way	Zinc Plated Steel	1/each		10	
240101	ZN-FBLH	Polyfab Pro Fascia Bracket for 20 Degree Rafter Angle Left	Zinc Plated Steel	1/each		10	





240100



240069



2400114



240111



240067



240097



240012



240072

Item #	Style #	Description	Material	Put Up	Size	Standard Package	Threaded For Size
240102	ZN-FBRH	Polyfab Pro Fascia Bracket for 20 Degree Rafter Angle Right	Zinc Plated Steel	1/each		10	
240103	ZN-FB90	Polyfab Pro Fascia Bracket for Flat Roof	Zinc Plated Steel	1/each		10	
240100	ZN-FBTH	Polyfab Pro Fascia Bracket with 12mm Threaded Rod	Zinc Plated Steel	1/each		10	
240069	SS-HN-10	Polyfab Pro Hex Nut	AISI 316 Stainless Steel	1/each	10 mm	1	M10
240042	SS-HN-08	Polyfab Pro Hex Nut	AISI 316 Stainless Steel	1/each	8 mm	1	M8
240084	ZN-CBIN-250	Polyfab Pro Internal Corner Bracket	Zinc Plated Steel	1/each	250 mm	10	
240114	ZN-CBIN-150	Polyfab Pro Internal Corner Bracket	Zinc Plated Steel	1/each	150 mm	1	
240115	ZN-CBIN-100120	Polyfab Pro Internal Corner Bracket	Zinc Plated Steel	1/each	100 x 120 mm	1	
240081	ZN-CBIN-100	Polyfab Pro Internal Corner Bracket	Zinc Plated Steel	1/each	100 mm	10	
240035	SS-LNN-12	Polyfab Pro Nylon Lock Nut	AISI 316 Stainless Steel	1/each	12 mm	40	M12
240033	SS-LNN-08	Polyfab Pro Nylon Lock Nut	AISI 316 Stainless Steel	1/each	8 mm	80	M8
240034	SS-LNN-10	Polyfab Pro Nylon Lock Nut	AISI 316 Stainless Steel	1/each	10 mm	50	M10
240111	SS-WRC-05	Polyfab Pro Rope Clamp	AISI 316 Stainless Steel	1/each	5 mm	1	
240073	SS-WRC-10	Polyfab Pro Rope Clamp	AISI 316 Stainless Steel	1/each	10 mm	1	
240067	SS-WRC-08	Polyfab Pro Rope Clamp	AISI 316 Stainless Steel	1/each	8 mm	300	
240065	SS-WRC-04	Polyfab Pro Rope Clamp	AISI 316 Stainless Steel	1/each	4 mm	1200	
240074	SS-WRC-03	Polyfab Pro Rope Clamp	AISI 316 Stainless Steel	1/each	3.2 mm	1	
240066	SS-WRC-06	Polyfab Pro Rope Clamp	AISI 316 Stainless Steel	1/each	6 mm	600	
240058	SS-RTH-1150	Polyfab Pro Round Thimble	AISI 316 Stainless Steel	1/each	11 x 50 mm	1	
240097	SS-SC-15	Polyfab Pro Safety Cable	AISI 316 Stainless Steel	1/each		1	
240010	SS-SBF-08	Polyfab Pro Shackle Bow	AISI 316 Stainless Steel	1/each	8 mm	450	M8
240011	SS-SBF-10	Polyfab Pro Shackle Bow	AISI 316 Stainless Steel	1/each	10 mm	200	M10
240012	SS-SBF-12	Polyfab Pro Shackle Bow	AISI 316 Stainless Steel	1/each	12 mm	120	M12
240106	SS-HKS-08	Polyfab Pro Spring Hook	AISI 316 Stainless Steel	1/each	8 mm	1	
240107	SS-HKS-10	Polyfab Pro Spring Hook	AISI 316 Stainless Steel	1/each	10 mm	1	
240072	NP-WRS-08	Polyfab Pro Swaging Sleeve	Nickel Plated Copper	1/each	8 mm	160	
240077	NP-WRS-03	Polyfab Pro Swaging Sleeve	Nickel Plated Copper	1/each	3.2 mm	1	
240071	NP-WRS-06	Polyfab Pro Swaging Sleeve	Nickel Plated Copper	1/each	6 mm	180	



240112



240040



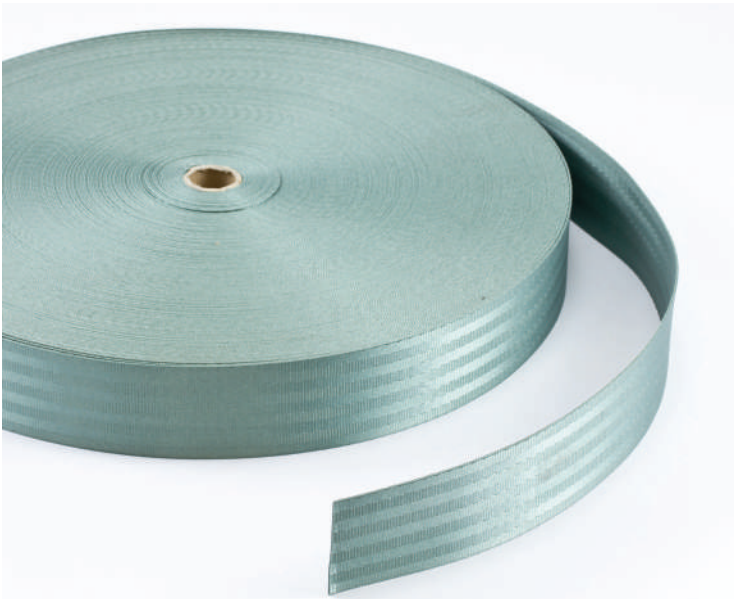
240109



240000

Item #	Style #	Description	Material	Put Up	Size	Standard Package	Threaded For Size
240112	NP-WRS-05	Polyfab Pro Swaging Sleeve for 5mm Wire	Nickel Plated Copper	1/each	5 mm	1	
240110	SS-WRT-05	Polyfab Pro Thimble	AISI 316 Stainless Steel	1/each	5 mm	1	
240061	SS-WRT-06	Polyfab Pro Thimble	AISI 316 Stainless Steel	1/each	6 mm	1000	
240062	SS-WRT-08	Polyfab Pro Thimble	AISI 316 Stainless Steel	1/each	8 mm	500	
240059	SS-WRT-03	Polyfab Pro Thimble	AISI 316 Stainless Steel	1/each	3.2 mm	1	
240063	SS-WRT-10	Polyfab Pro Thimble	AISI 316 Stainless Steel	1/each	10 mm	1	
240040	SS-TRI-06	Polyfab Pro Triangle	AISI 316 Stainless Steel	1/each	6 x 50 mm	500	M6
240041	SS-TRI-08	Polyfab Pro Triangle	AISI 316 Stainless Steel	1/each	8 x 50 mm	350	M8
240108	SS-QLT-06	Polyfab Pro Triangle Quick Link	AISI 316 Stainless Steel	1/each	6 mm	1	
240109	SS-QLT-10	Polyfab Pro Triangle Quick Link	AISI 316 Stainless Steel	1/each	10 mm	1	
240006	SS-TBEE-10	Polyfab Pro Turnbuckle Eye/Eye	AISI 316 Stainless Steel	1/each	10 mm	100	M10
240007	SS-TBEE-12	Polyfab Pro Turnbuckle Eye/Eye	AISI 316 Stainless Steel	1/each	12 mm	50	M12
240005	SS-TBEE-08	Polyfab Pro Turnbuckle Eye/Eye	AISI 316 Stainless Steel	1/each	8 mm	150	M8
240000	SS-TBJJ-08	Polyfab Pro Turnbuckle Jaw/Jaw	AISI 316 Stainless Steel	1/each	8 mm	130	M8
240002	SS-TBJJ-12	Polyfab Pro Turnbuckle Jaw/Jaw	AISI 316 Stainless Steel	1/each	12 mm	40	M12
240001	SS-TBJJ-10	Polyfab Pro Turnbuckle Jaw/Jaw	AISI 316 Stainless Steel	1/each	10 mm	80	M10

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565111

## Polyfab™ Shade Sail Edge Webbing

Polyfab Shade Sail Edge Webbing is used for shade structures and shade sails. Matches Polytex®, Comtex® and Architec 400® extra heavy duty knitted shade cloth.

Item #	Average Breaking Strength	Color	Color #	Put Up	Width
565135	4400 lbf.	Antec Orange	22	109 yd.	2 in.
565129	4400 lbf.	Beige	72	109 yd.	2 in.
565137	4400 lbf.	Berry	36	109 yd.	2 in.
565121	4400 lbf.	Black	99	109 yd.	2 in.
565103	4400 lbf.	Blue	50	109 yd.	2 in.
565109	4400 lbf.	Bronze	81	109 yd.	2 in.
565113	4400 lbf.	Charcoal	92	109 yd.	2 in.
565141	4400 lbf.	Fluro Green	67	109 yd.	2 in.
565142	4400 lbf.	Fluro Orange	27	109 yd.	2 in.
565118	4400 lbf.	Golden Yellow	11	109 yd.	2 in.
565101	4400 lbf.	Midnight Green	62	109 yd.	2 in.
565105	4400 lbf.	Navy Blue	51	109 yd.	2 in.
565115	4400 lbf.	Porcelain	71	109 yd.	2 in.
565139	4400 lbf.	Purple	58	109 yd.	2 in.
565127	4400 lbf.	Red	30	109 yd.	2 in.
565111	4400 lbf.	Sage	19	109 yd.	2 in.
565107	4400 lbf.	Sandstone	73	109 yd.	2 in.
565125	4400 lbf.	Silver Gray	91	109 yd.	2 in.
565119	4400 lbf.	Turquoise	10	109 yd.	2 in.
565133	4400 lbf.	White	01	109 yd.	2 in.

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123004

## Awning Hardware – Elbow

Threaded elbow made of plated, malleable iron.

Item #	Style #	For	Standard Package	Threaded For Pipe Size
123003	3	3/4 in. OD Tubing	25	1/2 in.
123004	4	1 in. OD Tubing	25	3/4 in.
123005	5	1-1/4 in. OD Tubing	25	1 in.
123008	8	1 in. and 3/4 in. OD Tubing	25	1/2 in. x 3/4 in.

123003 - Also available in aluminum.

123004 - Also available in aluminum.



293412

## Awning Hardware – Elbow – Aluminum

These aluminum Slip-Fit elbows are furnished with socket head set screws for easy installation.

Slip-Fit fittings offer a time and labor-saving means to build awnings. No threading is needed as they merely slip on or over the pipe structure and are tightened with set screws. They allow fast modification when the piping is not cut to exact length.

Suggested uses: awning pipe frames.

Item #	Style #	For	# Of Set Screws	Standard Package
293410	3-S	3/8 in. pipe	2	25
282004	4-S	1/2 in. pipe	2	25
293412	5-SQ	3/4 in. x 3/4 in. pipe	4	25
293413	6-SQ	1 in. x 1 in. pipe	4	25

293410 - Stainless steel set screws.





123389

## Awning Hardware – Slip-Fit Square Elbow – Malleable Iron

This Slip-Fit square elbow is made from plated, malleable iron and furnished with set screws. Its square design ensures a better fitting cover. Use to join front bars with end rafters.

Slip-Fit fittings provide a time and labor-saving method to install awnings. No threading is needed as they just slide on or over the pipe frame and are tightened with set screws. They allow rapid adjustment when the piping is not cut to precise size.

Suggested uses: joining right angles of any awning frame assembly.



225135



244540

Item #	Style #	Description	For	Front Bar Size	Rafter	Standard Package
123385	289	Includes stainless steel screws	1-1/4 in. OD Tubing	1 in. pipe	1 in. pipe	25
123386	285	Includes stainless steel screws	3/4 in. OD Tubing	1/2 in. pipe	1/2 in. pipe	25
123387	287	Includes stainless steel screws	1 in. OD Tubing	3/4 in. pipe	3/4 in. pipe	25
123389	289	Includes stainless steel screws	1-1/4 in. OD Tubing	1 in. pipe	1 in. pipe	25
225135	15-7	Includes screws	1-1/2 in. OD Tubing	1-1/4 in. pipe	1-1/4 in. pipe	25
244540	20-6	Includes screws	1-1/4 in. OD Tubing	1 in. pipe	1 in. pipe	25

225135 - Hot dip galvanized – smooth design, with socket head screw.



124702

## Awning Hardware – Pin Or Nut End

Threaded Pin/Nut End made of plated, malleable iron. Includes a stainless steel nut. Use with side nut hinge or front cotter hinge

Item #	Style #	Standard Package	Threaded For Size
124702	2	25	1/2 in. pipe



281106

## Awning Hardware – Eye End – Aluminum

Threaded.

Item #	Style #	For	Standard Package
281106	5A	3/4 in. pipe	25
293616	4A-4	1/2 in. pipe	25

293616 - Also available in malleable iron.



124002

## Awning Hardware – Eye End – Malleable Iron

Threaded Eye End made from plated, malleable iron. Placed on the ends of arms and rafters for fastening onto hinges or jaws. Use with side nut hinge or front cotter hinge.

Item #	Style #	For	Standard Package	Threaded For Size	Type
124010	10	1 in. OD Tubing	25	3/4 in. pipe	Large eye
124007	7		25	1/4 in. pipe or 1/2 in. iron	Large eye
124009	9	3/4 in. OD Tubing	25	1/2 in. pipe	Large eye
124012	12	1-1/4 in. OD Tubing	25	1 in. pipe	Small eye
124002	2		25	1/4 in. pipe or 1/2 in. iron	Small eye
124003	3		25	3/8 in. pipe or 5/8 in. iron	Small eye
124004	4	3/4 in. OD Tubing	25	1/2 in. pipe	Small eye
124005	5	1 in. OD Tubing	25	3/4 in. pipe	Small eye

124002 - Also available in aluminum. 124003 - Also available in aluminum.



282191

## Awning Hardware – Slip-Fit Eye End – Aluminum

These Slip-Fit eye ends are made from sturdy aluminum. They’re designed to carry the unique needs of custom awnings. Furnished with socket head set screws, they allow for quick installation.

Slip-Fit fittings offer a time and labor-saving way to install patio awnings. No threading is necessary as they simply slip on or over the pipe frame and are tightened with set screws. They permit rapid adjustment when the pipe is not cut to exact length.

Suggested uses: awning pipe frames.

Item #	Style #	For	Standard Package
282193	286A-304	1/2 in. pipe	25
282190	290A-305	3/4 in. pipe	25
282191	291A-315	1 in. pipe	25
282122	25	1/4 in. pipe	25

282122 - Also available in malleable iron.



124190

## Awning Hardware – Slip-Fit Eye End – Malleable Iron

These specially designed Slip-Fit eye ends are made from plated, malleable iron. The fittings are properly proportioned for the greatest rigidity. The small eye permits a snug fit between the eye end, rod, and rafter holder. A 2-inch barrel depth assures greater holding power. The eye end is furnished with a stainless steel set screw.

Slip-Fit fittings offer a labor and time-saving way to build awnings. No threading is required as they simply slip on or over the pipe frame and are tightened with a set screw. They allow fast adjustment when the pipe is not cut to exact length.

Suggested uses: awning pipe frame assemblies, supporting pipe posts.

Item #	Style #	For	Maximum Bolt Standard	Size	Standard Package
124188	286	3/4 in. OD Tubing	1/4 in.	1/2 in. pipe	25
124190	290	1 in. OD Tubing	7/16 in.	3/4 in. pipe	25
124191	291	1-1/4 in. OD Tubing	7/16 in.	1 in. pipe	25
124192	292	1-1/2 in. OD Tubing	1/2 in.	1-1/4 in. pipe	25
124195	291	1-1/4 in. OD Tubing	7/16 in.	1 in. pipe	25

124190 - Also available in aluminum.

124191 - Also available in aluminum.

124195 - Also available in aluminum.



281680

## Awning Hardware – Front Bar Clamp – Aluminum

Front bar clamps provide fast and complete slip fit of pipe rafter to front bar. Simply tighten the set screws which are furnished and the operation is complete.

Item #	Style #	For	Standard Package
281680	380-A	3/4 in. x 3/4 in. pipe	25
281681	381-A	1 in. x 1 in. pipe	25



130581

## Awning Hardware – Slip-Fit Adjustable Front Bar

These Slip-Fit adjustable front bars include plated-steel clamps, a zinc die-cast collar, and stainless steel hardware. The interlocking three-piece fitting provides a rigid, low-cost assembly. Simply slip over the pipe and adjust to your desired position by tightening the set screw. With both hands free, you can quickly bolt the bottom section to the top section for a sturdy, reinforced assembly.

Slip-Fit hardware offer a time and labor-saving means to install awnings. No threading is needed as they just slide on or over the piping frame. They permit fast modification when the piping is not cut to exact size.

Suggested uses: awning pipe frames.

Item #	Style #	For	Front Bar Size	Reducing For Pipe Size	Standard Package
130580	280	1 in. OD Tubing	3/4 in. pipe	3/4 in. pipe	25
130581	281	1-1/4 in. OD Tubing	1 in. pipe	1 in. pipe	25
130582	282	1 in. and 1-1/4 in. OD Tubing	1 in. pipe	3/4 in. pipe	25



112501



112505

## Awning Hardware – Head Rod Clamp – Zinc Die Cast

A fixture designed for attaching the head rod of an awning to various building surfaces, as well as providing hooks for hanging awning pulleys. Plated, zinc die-cast with stainless steel fasteners.

Item #	Style #	For	Size Head Rod	Standard Package
112504	4	Wood	1/2 in. diameter iron	25
112509	6	Wood	1/2 in. diameter iron	25
112501	1	Wood	3/8 in. diameter iron	25
112505	5	Wood	3/8 in. diameter iron	25



112504



112509

112509 - Stainless steel fasteners.



112630

## Awning Hardware – Head Rod Clamp – Narrow Base Type – Zinc Die Cast

A fixture designed for attaching the head rod of an awning to various building surfaces, as well as providing hooks for hanging awning pulleys. One countersunk hole for wood screw provides quick and solid installation. Plated, zinc die-cast with stainless steel machine bolt and wing nut.

Item #	Style #	Size Head Rod	Standard Package
112630	30Z	1/2 in. diameter iron	25



112510

## Awning Hardware – Head Rod Clamp – Roller Curtain Type – Malleable Iron

A fixture designed for attaching the head rod of an awning to various building surfaces, as well as providing hooks for hanging awning pulleys. Fastens on inside of porch so that pulleys and pull ropes are on inside of curtain. Can be attached to either face board or ceiling. Plated, malleable iron with stainless steel fasteners.

Item #	Style #	For	Size Head Rod	Standard Package
112510	10	Brick	3/8 in. or 1/2 in. diameter iron	25
112521	21	Wood	3/8 in. or 1/2 in. diameter iron	25



112521





281530

## Awning Hardware – Head Rod Clamp – For Narrow Base Installation – Aluminum

One countersunk hole provided for wood screw. Extra strong aluminum bolts and non-ferrous zinc wing nuts.

Item #	Style #	For	Standard Package
281530	30A-40	1/2 in. rod	25



281510

## Awning Hardware – Head Rod Clamp – For Brick Or Stone – Aluminum

Furnished with hole for 3/8 inch diameter lag. Includes machine screw and wing nuts.

Item #	Style #	For	Standard Package
281510	10A-4	1/2 in. rod	25



281501

## Awning Hardware – Head Rod Clamp – For Wood – Aluminum

Furnished with two countersunk holes to accommodate No. 10 wood screws. Includes machine screw and wing nuts.

Item #	Style #	For	Standard Package
281501	03	3/8 in. rod	25
281505	5A-1	3/8 in. rod	25
281506	6A-2	1/2 in. rod	25



281505



140104

## Awning Hardware – Rod And Rafter Holder No. 4

Rod and rafter holders are designed for attaching heads and rafters of patio or stationary awnings, eliminating the need for separate clamps for head rod or hinges for the rafters. Made of plated, malleable iron. Furnished with stainless steel machine bolt and wing nut to hold the head rod, machine screw and square nut, for fastening the rafter.

A combination fixture for application on brick, wood or concrete. It has two countersunk holes for wood screws. There is also a hole for a 5/16 inch or 3/8 inch lag screw. The No. 4 Rod and Rafter Holder is especially suitable for application and installation on narrow trim boards.

Item #	Style #	Size Head Rod	Standard Package
140104	4	1/2 in. diameter iron	25



284093

## Awning Hardware – Bracket Hinge – Aluminum

This helpful hinge bracket is made from durable aluminum for ultimate strength. Used on wood, the mounting bracket features two countersunk holes for wood screws. The fitting is furnished with a machine screw. Also available in plated, die-cast zinc (#138615).

Item #	Style #	Projection	Standard Package
284093	OBA-3	1 in.	25



286212

## Awning Hardware – Swivel Eye Pulley – Aluminum Die Cast

Aluminum die cast with stainless steel pin.

Item #	Style #	Rope Diameter	Sheave Diameter	Standard Package	Style Sheave
286204	1A	3/16 in.	1/2 in.	25	Single
286212	11A	3/16 in.	1/2 in.	25	Double



157500

## Awning Hardware – Swivel Eye Pulley – Stamped

Stamped aluminum with an aluminum pin. Rustproof with smooth rounded top section housing to keep swivel eye from contact with rope. ABS plastic sheaves rotate freely on aluminum rivet.



113234

## Awning Hardware – Slip-Fit Tie Down Clamp – Steel

This Slip-Fit tie down clamp is made from plated, stamped steel with a stainless-steel bolt and hex nut. Tie down clamps are designed to eliminate pocketing of rainwater on stationary or terrace awnings. Their use permits fixed awning covers to be drawn taut. Assembly can be made quickly on new or old awning frames. Also available in aluminum.



113235

Slip-Fit hardware supply a labor and time-saving means to build awnings. No threading is needed as they just slide on or over the piping frame. They allow rapid modification when the piping is not cut to precise size.

Suggested uses: awning pipe frames for fixed awnings.



266678

## Awning Hardware – Pulley – Malleable Iron

Plated malleable iron.

Item #	Style #	Rope Diameter	Standard Package	Style Sheave
266678	5	3/8 in.	25	Single

Item #	Style #	For	Front Bar Size	Standard Package
113233	33	1 in. OD Tubing	3/4 in. pipe	25
113234	34	1-1/4 in. OD Tubing	1 in. pipe	25
113235	35	1-1/2 in. OD Tubing	1-1/4 in. pipe	25



284106

## Awning Hardware – Rod And Rafter Holders – Dual Duty – Aluminum

Made to take 1/2 inch head rod. Designed to mount with either wood screws or lag bolt. Furnished with machine screws and wing nut.

Item #	Style #	For	Standard Package
284106	99A-99	1/2 in. rod	25



281700

## Awning Hardware – Slip-Fit Tie Down Clamp – Aluminum

Slip-fit tie down clamps help prevent water pockets from forming behind the front bar. This aluminum clamp fastens to the front bar and holds a 3/8-inch pipe or 5/8-inch rod. It is furnished with a machine bolt and hex nut. Also available in steel.

Slip-Fit hardware provide a time and labor-saving method to mount awnings. No threading is needed as they simply slip on or over the pipe frame. They permit rapid modification when the piping is not cut to precise length.

Suggested uses: awning pipe frames.



284103

## Awning Hardware – Rod And Rafter Holders – For Brick Or Wood – Aluminum

Rod and Rafter Holders furnished with machine screws and wing nut. Also available in iron.

Item #	Style #	For	Standard Package
284103	3A-89	1/2 in. rod	25

Item #	Style #	For	Standard Package
281700	77	3/4 in. pipe	25
281699	78	1 in. pipe	25



## Awning Hardware – Slip-Fit Adjustable Post Socket – For Brick – Aluminum

This Slip-Fit adjustable post socket is furnished with a square head set screw for slip-fit installation. Made from stable aluminum, it is ideal for use on brick. Also available in malleable iron.

Slip-Fit fittings provide a time and labor-saving means to mount awnings. No threading is required as they simply slide on or over the piping structure and are tightened with a set screw. They permit quick modification when the piping is not cut to precise size.

Suggested uses: awning pipe frames.

Item #	Style #	Pipe	Standard Package
287803	3A-205L	3/4 in. Slip-Fit	25
287804	4A-206L	1 in. Slip-Fit	25



## Awning Hardware – Slip-Fit Adjustable Post Socket – For Wood – Malleable Iron

This Slip-Fit adjustable post socket is furnished with four wood screw holes for attaching to wood. It is made from plated, malleable iron and comes with a stainless steel set screw.

Slip-Fit hardware supply a labor and time-saving way to build awnings. No threading is needed as they merely slip on or over the piping structure and are tightened with a set screw. They permit quick adjustment when the piping is not cut to specific length.

Suggested uses: awning pipe frames.

Item #	Style #	For	Size Post	Standard Package
163702	2	1-1/4 in. OD Tubing	1 in. pipe	25

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## Awning Hardware – Slip-Fit Adjustable Post Socket – For Brick – Malleable Iron

This Slip-Fit adjustable post socket is furnished with two lag screw holes for attaching to brick. It is made from plated, malleable iron and comes with a stainless steel set screw. Also available in aluminum.

Slip-Fit fittings provide a labor and time-saving means to install awnings. No threading is required as they just slide on or over the pipe structure. They allow fast adjustment when the piping is not cut to exact length.

Suggested uses: awning pipe frames.

Item #	Style #	For	Size Post	Standard Package
163703	3	1 in. OD Tubing	3/4 in. pipe	25
163704	4	1-1/4 in. OD Tubing	1 in. pipe	25

Trivantage® is a registered trademark of Glen Raven, Inc.



## Awning Hardware – Slip-Fit Coupling – Malleable Iron

This Slip-Fit coupling is made from galvanized, malleable iron and comes with set screws.

Slip-Fit hardware provide a labor and time-saving way to build awnings. No threading is required as they just slide on or over the piping frame and are tightened with set screws. They allow fast modification when the piping is not cut to precise size.

Suggested uses: awning pipe frames.

Item #	Style #	Finish	For	Front Bar Size	Material	Standard Package
215020	14-6	Galvanized	1-1/4 in. OD Tubing	1 in. pipe	Iron	25

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174375



174377



274030



173604



288144



288147



138102

## Awning Hardware – Slip-Fit Tee – Malleable Iron

This Slip-Fit tee is made from plated, malleable iron. A special cast lip on the inside of the tee prevents the inserted pipe from interfering with the pipe crossing in the other direction. It is furnished with set screws.

Slip-Fit hardware provide a labor and time-saving way to install awnings. No threading is required as they simply slide on or over the pipe structure and are tightened with set screws. They allow quick adjustment when the pipe is not cut to exact length.

Suggested uses: joining upright posts to front bars, joining rafters to front bars, joining special types of frames (such as carports, carnival booths, etc.).

Item #	Style #	Description	Extension	For	Front Bar Size	Standard Package
174375	275	Includes stainless steel screws	1/2 in. pipe	3/4 in. OD Tubing	1/2 in. pipe	25
174377	277	Includes stainless steel screws	3/4 in. pipe	1 in. OD Tubing	3/4 in. pipe	25
174379	279	Includes stainless steel screws	1 in. pipe	1-1/4 in. OD Tubing	1 in. pipe	25
174380	279	Includes stainless steel screws	1 in. pipe	1-1/4 in. OD Tubing	1 in. pipe	25
274030	25-7	Includes screws	1-1/4 in. pipe	1-1/2 in. OD Tubing	1-1/4 in. pipe	25

274030 - Hot dip galvanized – does not have cast lip, with socket head screw.

## Slip Tee

Plated, malleable Iron. The run is not threaded and can be slipped over the front bar. The extension outlet is tapped.

Item #	Style #	Description	Extension Bar Threaded	Front (Slip Fit)	Standard Package
173504	4	Without set screws	3/4 in. pipe	3/4 in. pipe	25
173604	4	With stainless steel set screws	3/4 in. pipe	3/4 in. pipe	25

## Awning Hardware – Slip-Fit Rafter And Upright Tees

This Slip-Fit rafter features upright tees. It is designed for quick and efficient installation at the rafter and front bar. Connect No. 600 and No. 601 slip tees to create corners. Used with 1-inch Schedule 40 piping, they are adjustable to 90°. Use interchangeable No. 600's together for other areas. They are furnished with stainless-steel set screws.

Slip-Fit hardware offer a time and labor-saving method to mount awnings. No threading is necessary as they simply slide on or over the pipe frame and are tightened with set screws. They allow rapid adjustment when the pipe is not cut to exact size.

Suggested uses: awning pipe frames.

Item #	Style #	For	Standard Package
288144	600	1 in. x 1 in. pipe	25
288147	601	1 in. x 1 in. pipe	25

## Awning Hardware – Spear Head

Made of ductile iron and available in plain or plated finish.

Item #	Style #	Description	Size	Standard Package	Threaded For Size
138002	2	Plain	9-1/2 in.	25	1/2 in. pipe
138102	2	Plated	9-1/2 in.	25	1/2 in. pipe



283902

## Awning Hardware – Spear Head – Aluminum

Spear head with male threaded ends.

Item #	Style #	Length	Standard Package	Threaded For Pipe Size
283902	2A-103	8-1/2 in.	25	1/2 in. male thread



112833

## Awning Hardware – Pipe Clamp – Wrought Steel

Designed for a carriage bolt to prevent bolt head from turning when nut is tightened. Plated. Includes stainless steel bolt unless stated otherwise.

Item #	Style #	Description	Bolt Size	For	Pipe	Standard Package
112833	43	Bolt excluded	5/16 in.	1 in. OD Tubing	3/4 in.	25
112834	44	Bolt excluded	5/16 in.	1-1/4 in. OD Tubing	1 in.	25
112842	42	Bolt included	5/16 in.	3/4 in. OD Tubing	1/2 in.	25
112843	43	Bolt included	5/16 in.	1 in. OD Tubing	3/4 in.	25
112844	44	Bolt included	5/16 in.	1-1/4 in. OD Tubing	1 in.	25
112848	43	Bolt included	3/8 in.	1 in. OD Tubing	3/4 in.	25
112849	44	Bolt included	3/8 in.	1-1/4 in. OD Tubing	1 in.	25



138615

## Awning Hardware – Bracket Hinge

Plated, die-cast zinc. Furnished with stainless steel machine screw and hex nut. Also available in aluminum.

Item #	Style #	Projection	Standard Package
138615	O-B	1 in.	25



138737

## Awning Hardware – Camelback Hinge – Zinc Die-Cast

Plated, zinc die-cast. Fastens the projection arms of awning frames to a building. Furnished with stainless steel machine screws.  
No. 11 is identical in design to the No. 2, but has a round head shoulder screw with “pilot” for holding No. 1 Sheet Brass Grommets.

Item #	Style #	Projection	Standard Package
138737	11	11/16 in.	25
238020	2	11/16 in.	25



238020

238020 - Also available in aluminum.



263913

## Awning Hardware – Round Head Machine Screw

Item #	Description	Finish	For	Material	Size	Standard Package
263913	Round Head Shoulder Screw	Plated	No. 11 and C.B. Hinge		12-24 x 7/8 in.	100
263923	Round Slotted Head Screw		No. 2 C.B. Hinge, No 34. S.S. Hinge	Stainless Steel	12-24 x 3/4 in.	100



263923



139180

## Awning Hardware – Extra Projection Hinge

Made of plated, malleable iron and furnished with a stainless steel machine screw.

Item #	Style #	Projection	Standard Package
139180	15	1-1/2 in.	25



139064

## Awning Hardware – Hinge – Stamped Steel

Plated. Furnished with machine screw.

Item #	Style #	Gauge	Standard Package
139064	34	14	25



124504

## Awning Hardware – Jaw End With Lag Screw

Used to attach awning frame to a brick surface. Furnished with machine screw and hex nut. Projection is from shoulder of jaw to center of bolt hole in jaw.

Item #	Style #	Jaw Opening	Lag Screw Size	Material	Projection	Standard Package	Use Expansion Shield
124504	4	7/16 in.	3/8 in. x 2-1/2 in.	Aluminum Extrusion	1-1/2 in.	25	3/8 in. x 2 in.



136002

## Gudgeon – Square Hole

For worm gears. For round shaft of center support.

Item #	For	Standard Package
136002	1-1/2 in. ID pipe	1



141001

## Worm Gear Attachments – Combination Coupling And Hook

Specially designed plated, malleable iron hook to securely engage eye of winding shaft when operating awning with winding brace. Slips over 3/4 in. steel shaft. Furnished with round head machine screw. Specially designed plated, malleable iron hook to securely engage eye of winding shaft when operating awning with winding brace. Standard equipment on all Trivantage® gears. Slips over 3/4 in. steel shaft. Furnished with round head machine screw.

Item #	Style #	Standard Package
141001	1	25



147002

## Worm Gear Attachments – Universal Or Knuckle Joint

Used for connecting worm gear drive shaft or for splicing two drive shafts. Made of plated, malleable iron sockets with steel, square knuckles.

Item #	Style #	For	Standard Package
147002	2	3/4 in. x 3/4 in. iron	25





126001

## Worm Gear Attachments – Winding Shaft Eye

Reinforced, plated, malleable iron eye, easily attaches to winding shaft with M6 (metric) bolt.

Item #	Style #	For	Standard Package
126001	1	1/2 in. iron	25
126002	2	5/8 in. iron	25
126003	3	3/8 in. pipe	25



158342

## Pulley – Stamped Steel – Swivel Eye

ABS Plastic Single Sheave. Full-bearing, with heavy wire, open end swivel eyes that function smoothly. Sheaves prevent rope from being cut or frayed. Plated.

Item #	Style #	Put Up	Rope Diameter	Sheave Diameter	Standard Package	Style Sheave
158340	50		1/8 in.	1/2 in.	25	Single
158341	100		3/16 in.	5/8 in.	25	Single
158342	300	1	1/4 in.	1 in.	25	Single

158340 - Also available in aluminum.

158341 - Also available in aluminum.



256103

## Pulley – Swivel Eye

Made with high grade cast iron swivel eyes and bodies, steel rivets and steel sheaves. Nickel-plated and lacquered for extra rust protection.

Item #	Style #	Rope Diameter	Sheave Diameter	Standard Package	Style Sheave
256103	1	3/16 in.	3/4 in.	25	Single
256104	2	3/16 in.	3/4 in.	25	Double
256105	3	1/4 in.	1 in.	25	Single
256106	3/0	1/8 in.	1/2 in.	25	Single
256107	4/0	1/8 in.	1/2 in.	25	Double
256101	5	3/8 in.	1-1/4 in.	25	Single
256102	6	3/8 in.	1-1/2 in.	25	Double

256103 - Also available in aluminum.

256104 - Also available in aluminum.

256105 - Also available in aluminum.



256102

## Tip – Rubber

Eliminates damage or wear on fabric end curtains of patio awning where a Tie-Down Bar is used. Slips over ends of pipe used on roller curtains, to prevent end of pipe from chafing side of house. Can also be used on mooring poles to prevent marring boat floor.

Item #	Style #	Description	Color	For	Standard Package
476095	18	Tip with Stud	White	3/4 in. tubing	1
274817	17	Tip	Black	5/8 in. tubing, 3/8 in. pipe	10
274819	19	Tip	Black	7/8 in. tubing, 1/2 in. pipe	10
274815	18	Tip	White	3/4 in. tubing	10
274816	17	Tip	White	5/8 in. tubing, 3/8 in. pipe	10
274818	19	Tip	White	7/8 in. tubing, 1/2 in. pipe	10



274819



206861

## Track – Steel Curtain Track System – 16 Gauge – Ceiling Support Brackets

This 16 gauge galvanized steel system includes a range of products that suspend and anchor the curtain system, as well as a variety of trolleys that allow the curtains to roll.

Track can be attached to the ceiling support hardware either before or after it is secured to the ceiling. There are no screws or nuts to hold the track in place protruding above the mounting plates. This eliminates the need for spacers or clearance holes in the ceiling. Ceiling support mounting plates (except the 16TBC, item# 206861) have bosses to lock the track in the ceiling support mounting hardware.

Item #	Style #	Description	Gauge	Standard Package
206861	16TBC	Ceiling Bracket	16	10
206865	16TSC	Ceiling Bracket	16	10



206854

## Track – Steel Curtain Track System – 16 Gauge – Curved Track

The standard curved track has end connectors for securing to adjacent sections of the roller track. The standard curve has a two-foot 90-degree radius.

Item #	Style #	Description	Gauge	Material	Standard Package
206854	16CT	Curved Track – 90 degree 2 ft. radius	16	Galvanized Steel	25



206856

## Track – Steel Curtain Track System – 16 Gauge – End Stops

End stops are used to prevent trolleys from rolling out of the ends of the track system.

Item #	Style #	Gauge	Standard Package
206856	ES	16	50



206834

## Track – Steel Curtain Track System – 16 Gauge – Industrial Curtain Trolley

This 16-gauge galvanized steel system includes a range of products that suspend and anchor the curtain system. A variety of trolleys enable the curtains to roll smoothly.

The track can be attached to the ceiling support hardware either before or after it is secured to the ceiling. No screws or nuts are needed to hold the track in place above the mounting plates. This eliminates the need for spacers or clearance holes in the ceiling. Ceiling support mounting plates (except item# 206861) have bosses to lock the track into the hardware.

Create partitions and privacy with Trivantage® curtain trolley systems.



206868



206869



206867



206839



206866

Item #	Style #	Description	Bolt Size	Diameter Hole	Standard Package
206834	B3491-10	Overlapping Trolley with Steel Wheels and Pull Rope – 10 ft.			1
206868	16NR1B	Trolley with Bumper, 2 Nylon Wheels, 1" Hook			1
206869	16SR1B	Trolley with Bumper, 2 Steel Wheels, 1" Hook			1
206867	16STS-4	Trolley with Bumper, 4 Steel Wheels, 1 in. Bolt 3/8-16 Thread	1 in. 3/8-16 Thread		10
206878	16STS-4	Trolley with Bumper, 4 Steel Wheels, 4 in. Bolt 3/8-16 Thread	4 in. 3/8-16 Thread		10
206839	B3427-10	Trolley with Pull Rope – 10 ft.			1
206866	16NR1	Trolley, 2 Nylon Wheels, 1" Hook			5

Item #	Style #	Description	Bolt Size	Diameter Hole	Standard Package
206835	16NR-1/2	Trolley, 2 Nylon Wheels, 1/2 " Hook			1
206844	16SR1	Trolley, 2 Steel Wheels, 1 " Hook			1
206877	16SR	Trolley, 2 Steel Wheels, 1-1/2 " Height Plate		0.38	1
207880	16SR2-1/2(1/4)	Trolley, 2 Steel Wheels, 2-1/2 " Hook, 1/4 " Rivet			1
206845	16OT	Trolley, 4 Steel Overlapping Wheels, 2 1 " Hooks			1
206870	16ST1	Trolley, 4 Steel Wheels, 1 " Hook			1
206881	16ST	Trolley, 4 Steel Wheels, 2-3/4 " Wide Plate, 1-1/2 " Height Plate		0.38	1

Trivantage® is a registered trademark of Glen Raven, Inc.



206852

Track – Steel Curtain Track System – 16 Gauge – Roller Track

The roller track is roll formed from 16 gauge hot dipped galvanized steel. The trolley wheels roll on the track floor between the outside track wall and the inside safety flange. The ends of the track are punched so that the track splices can lock two adjoining track ends together.

Item #	Style #	Gauge	Length	Material	Standard Package
206851	16RT-120	16	10 ft.	Galvanized Steel	250
206852	16RT-240	16	20 ft.	Galvanized Steel	200



207881

Track – Steel Curtain Track System – 16 Gauge – Track Splice

Item #	Style #	Description	Gauge	Material	Standard Package
207881	16TSEC	Edge Clamp	16	Galvanized Steel	1
206863	16TSWMD	Splice Wall Mount Down – 4 in.	16	Galvanized Steel	10
206850	16TSWМУSS	Splice Wall Mount Up – 4 in.		Stainless Steel Type 304	10
206864	16TSWMU	Splice Wall Mount Up – 4 in.	16	Galvanized Steel	10
206840	16TSTR	Splice with Angle Bracket	16	Galvanized Steel	1
206855	16TS	Splice – 4 in. with 2 Set Screws	16	Galvanized Steel	10



206863

Track – Steel Curtain Track System – 16 Gauge – Wall Mount And End Mount Brackets

Wall mount and end mount brackets are used when the track system is running adjacent to a wall.

Item #	Style #	Description	Gauge	Standard Package
206859	16EMD	End Mount Down	16	10
206860	16EMU	End Mount Up	16	10
206833	16TBATR	Right Angle Threaded Rod Bracket	16	1
206841	16TBTR	Threaded Rod Bracket	16	1
206862	16TBV	Vertical Bracket	16	10



206859



206833



206841



206862



Item #	Style #	Description	Gauge	Standard Package
206857	16TBWMD	Wall Mount Down	16	10
206858	16TBWMU	Wall Mount Up	16	10



260981

## Porcelain Rings

Porcelain Rings are manufactured with a strong and smooth finish for longer rope life.

Item #	Style #	Approximate Inside Diameter	Approximate Outside Diameter	Color	Size	Standard Package
260981	1	3/4 in.	1-5/8 in.	Gray	Small	25
260982	2	1 in.	2 in.	Gray	Medium	25



117201

## Ring Clips

Item #	Style #	Finish	Standard Package	Thickness	Type	Width
117203	1	Plated Steel	25	0.049 in.	Heavy	15/64 in.
117201	2	Plated Steel	25	0.035 in.	Standard	5/32 in.
117205	3	Stainless Steel	25	0.035 in.		5/32 in.



212610

## Chain – Double Loop Steel

This galvanized steel chain is ideal for application in awning curtain pockets as a “weight” to prevent curtain from flapping in the wind. Also, practical for supporting “hanging canopies” and “stationary awnings”, or as a chain lift on slide rod awnings, etc. Flexible and strongly made, heavy and of rigid galvanized steel wire.

Item #	Style #	Standard Package
212610	1/0	100 ft.



214201

## Cleat – Awning

These rope cleats offer strong and durable design for outdoor use.

Item #	Style #	For	Length	Material	# of Holes	Standard Package
214201	1	No. 8 wood screw	4-1/2 in.	Zinc Die-Cast	2	25
266676	2	No. 10 wood screw	6 in.	Zinc Die-Cast	2	100
281702	2A-2	3/4 in. pipe	6 in.	Aluminum	2	25



249614

## Curtain Loop – Shower/Bath

Nickel plated steel.

Item #	Style #	Size	Standard Package
249614	30570	1 in.	25



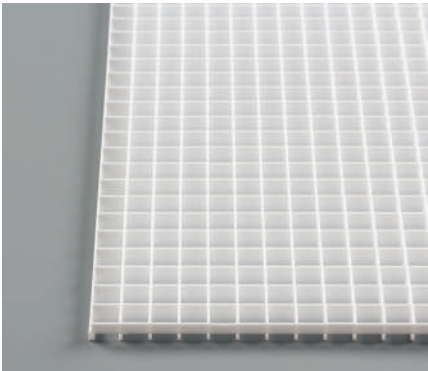
294650

## Hook – Roller

Simple, sturdy, friction-free hooks for hanging and transporting the heaviest of industrial curtain materials on 3/4-inch or 1-inch pipe. Curtains can be run as long as necessary. Turn corners or form a complete enclosure. These hooks are weatherproof for indoor or outdoor use.

Support brackets can be easily formed from a 1/2-inch diameter rod and should be inserted into hold drilled in the bottom of the pipe for track support.

Item #	Style #	Size	Size Opening	Standard Package
294650	101	2 in. x 3-5/8 in. Hook	3/4 in. or 1 in. pipe	25



Eggcrate louvers have a perimeter which allows continuous appearance mounting by overlapping factory edges.

## Fluorescent Eggcrate Louvers

Eggcrate louvers have a perimeter which allows continuous appearance mounting by overlapping factory edges. UV resistant.

Sold by full case only. Cannot ship UPS.

Item #	Style #	Cell Size	Color	Material	Standard Package
249700	10	1/2 in. x 1/2 in. x 1/2 in.	White	Acrylic	1
249705	14	1/2 in. x 1/2 in. x 3/8 in.	White	Acrylic	1
249710	20	1/2 in. x 1/2 in. x 1/2 in.	White	Styrene	1
249720	24	1/2 in. x 1/2 in. x 3/8 in.	White	Styrene	1



107610

## Bracket – Z

Awning frames can easily be mounted with these brackets. Made from 3/16 inch hot rolled steel, they are supplied plated, or plain (for applications requiring painting). Two holes spaced equally for lagging into mortar are provided to secure bracket to wall. There is also a 3/16 inch hole to accommodate a Teks® screw for fastening the frame. Will accommodate a 3/8 inch lag screw.



107602



107604

Item #	Style #	Finish	Length	Round Tube Size	Square Tube Size	Standard Package	Type	Width
107610	#0	Plated	2-1/8 in.	1.050 in.	1 in.	25	Mini	
107602	#2	Plated	4-3/4 in.	1.050 in.	1 in.	25	Medium	
107611		Zinc Plated			1 in.	25	Large	
107604		Zinc Plated			1 in.	25	Small	
107613		Zinc Plated			1 in.	25	Large	
107612		Zinc Plated			1 in.	25	Large	
206805	CF86	Zinc Plated	2-1/16 in.	1.029 in.	1 in.	25		1-1/2 in.

Teks® is a registered trademark of Illinois Tool Works, Inc.



107630

## Bracket – L

Made from 3/16 inch hot rolled steel. Two holes spaced equally for lagging into mortar are provided to secure bracket to wall. There is also a 3/16 inch hole to accommodate a Tek® screw for fastening the frame. Will accommodate a 3/8 inch lag screw.

Item #	Style #	Finish	Length	Square Tube Size	Standard Package	Type
107630	#10	Plated	1-9/32 in.	1 in. or 3/4 in.	25	Large

Teks® is a registered trademark of Illinois Tool Works, Inc.

Electro-Galvanized  
Headrod

## Head Rod – Electro-Galvanized

In the bending process of making awning frames, this awning iron will not break when bent to right angles. The zinc plating will not chip or flake off during bending. Drawn to full sizes, the iron threads easily and exactly for perfect fitting with pipe-threaded frame fixtures. Also used for lacing and tie down bars, and in conjunction with head rod molding.

Item #	Diameter	Length	# of Pieces Per Bundle	Standard Package	Weight Per Bundle	Weight Per Foot
244516	3/8 in.	20 ft.	17	17	128 lbs.	0.38 lbs.
244518	1/2 in.	20 ft.	12	12.03	160 lbs.	0.67 lbs.
244520	5/8 in.	20 ft.	5	5	105 lbs.	1.04 lbs.

## Head Rod – Fiberglass

Item #	Color	# of Pieces Per Bundle	Size	Standard Package
244616	White	5	3/8 in. x 20 ft.	100 ft. bundle
244625	White	15	1/2 in. x 20 ft.	300 ft. bundle



No. 555 180° open molding



No. 555 90° open molding



No. 777 molding

## Molding – Aluminum Awning

A fast and easy way to install covers. Mill finish, all-aluminum molding that remains in place all year. 6063-T6 aluminum. Cover slides into place easily. 1/4 inch rope is sewn into hem at top of cover. Then, the rope-filled hem slips into the channel of the molding. Allows for easy installation and removal. PE Tubing, Vinyl Welt, or 8.5 m Keder Welt can also be used.

Product is also commonly known as “trailer” molding.

No. 555 Moldings are lighter in weight than No. 777, and are flexible enough to form and bend to varying shapes. Recessed mounting face conforms readily to uneven surfaces.

Item #	Style #	Degree of Channel	Flange Size	Length	Overall Height	Rope Size	Standard Package	Thickness	Weight Per Carton	Weight Per Foot
251063	555	180°	0.600 in.	18 ft.	1-1/8 in.	1/4 in. in hem	1	3/64 in.	27 lbs.	0.123 lbs.
251062	555	180°	0.600 in.	8 ft.	1-1/8 in.	1/4 in. in hem	1	3/64 in.	9 lbs.	0.123 lbs.
251067	777	45°	~0.500 in.	18 ft.	1-1/4 in.	1/4 in. in hem	162 ft.	3/64 in.	35 lbs.	0.160 lbs.
251066	777	45°	~0.500 in.	8 ft.	1-1/4 in.	1/4 in. in hem	96 ft.	3/64 in.	12 lbs.	0.160 lbs.
251068	555	90°	0.64 in.	20 ft.	1-1/8 in.	1/4 in. in hem	1	3/64 in.	78 lbs.	0.112 lbs.
251064	555	90°	0.600 in.	8 ft.	1-1/8 in.	1/4 in. in hem	1	3/64 in.	9 lbs.	0.124 lbs.



## Molding – Aluminum Awning – Bright Dipped

Bright dipped anodized aluminum.

Item #	Style #	Description	Degree of Channel	Finish	Length	Standard Package	Weight Per Foot
251050	A15	Molding	135 degrees	Bright Dipped Anodized	16 ft.	400 ft.	0.12 lbs.



## Welting – Vinyl

Use in place of rope headers on awnings that attach to motor homes, travel trailers, campers and other recreational vehicles. Can be used in conjunction with aluminum awning molding or with the extruded channel already provided by many of the RV manufacturers.

Item #	Style #	Color	Put Up	Size
578003	A02-002	White	300 ft.	31/32 in. with 5/16 in. bead
578004	A02-002	Black	300 ft.	31/32 in. with 5/16 in. bead
578098	6022	Black	100 ft.	31/32 in. with 5/16 in. bead

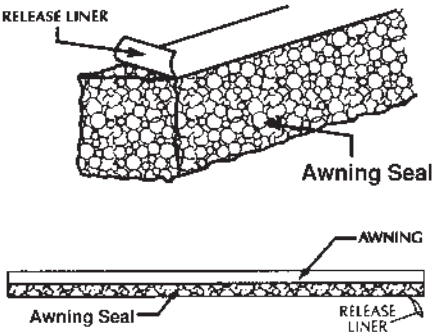


265757

## Emseal UST Awning/Sign Sealant Tape

Why spend time caulking behind awning frames and suffer the frustration of messy jobs, dripped caulk and caulking in bad weather, when all you have to do is apply Awning Foam Sealant to the frame before it's hoisted on the wall?

Available in dimensions to fit most building surfaces, this self-expanding polyester polyurethane foam is filled with water-based stabilized acrylics and will not dry out, shrink or deteriorate when compressed and properly installed. Just peel off the release liner and apply the adhesive side to the back of the awning. This is a continuous seal that is easy to install at ground level, thus providing a safer and more efficient installation atmosphere.



Item #	Building Surface	Size	Standard Package
265757	Commercial Grade Corrugated Metal	5/16 in. x 3/4 in. x 13.12 ft.	1
265756	Split Block	1 1/32 in. x 3/4 in. x 13.12 ft.	1
265755	Stucco, Block, Brick	5/32 in. x 5/8 in. x 26.24 ft.	1



578054

## Xtreme Seal® Awning Seal

Awning installations are a breeze with Xtreme Seal Awning Seal. Designed for the awning industry as a gasket material between the frame and the mounting surface, Xtreme Seal Awning Seal conforms to the contour of the mounting surface, eliminating the need for silicone and providing a clean finished product. Made of EPDM synthetic rubber, Xtreme Seal Awning Seal also features an adhesive back, saving time and making mounting easy. Sold in full rolls only.

Item #	Style #	Color	Put Up
578054	POD-AW	Black	250 ft.

Xtreme Seal® is a registered trademark of Xtreme Seal LLC.



578095

## Tubing “PE” – Low-Density Polyethylene

Polyethylene tubing for use in the head of awnings, and for marine and tonneau covers when using aluminum awning rail. Will not rot, absorb water, shrink, or unravel.

Item #	Style #	Put Up	Size
578095	PEH8321000-6-SP	1000 ft.	1/4 in. OD x 1/8 in. ID

## Molding – Head Rod Molding No. 35/37

For installations at the head of stationary or patio awnings and for installation and adjustment of the rafters of patio awnings. Extruded from 6063-T6 aluminum - mill finish.

Nos. 35 and 37 Head Rod Moldings are designed for use with a 1/2 inch diameter conventional head rod to eliminate the awkward job of threading a rope-filled hem through a slot in the molding. The head rod is merely placed in position and finger clips are tightened to hold the head of the awning under the rainproof lip of the molding. The finger clips ride in a track in the molding and can be adjusted to move laterally right or left.

The advantage of this system is that rafters can be placed precisely, even if the surface is uneven or the mounting supports are not located where the rafters should be, because once the molding is mounted, the rafters can be slid to their proper location.

Recommended rafter spacing is 1 1/2 feet in from each side, and then 3 feet to 4 feet centers depending on projection (the longer the rafters, the less the spacing). Awning rafters are attached to special jaw ends that are mounted in a track in the lower side of the molding. The jaw ends can be moved laterally to adjust the rafter width. This is done by turning or tightening the jaw end, which is fitted with a carriage bolt to ride in the same track as the finger clip.

The molding itself is designed so that a bead of caulking compound can be applied to the top length of the molding to prevent water from leaking behind the molding and down the wall.

The No. 35 Molding has the same basic design as the No. 37, but is 25% lighter in weight, with approximately 90% of the No. 37's strength. The No. 37 Finger Clip, No. 37W Jaw End and 1/2 inch Head Rod Clamp can be used with the No. 35 Molding without alteration.



117139

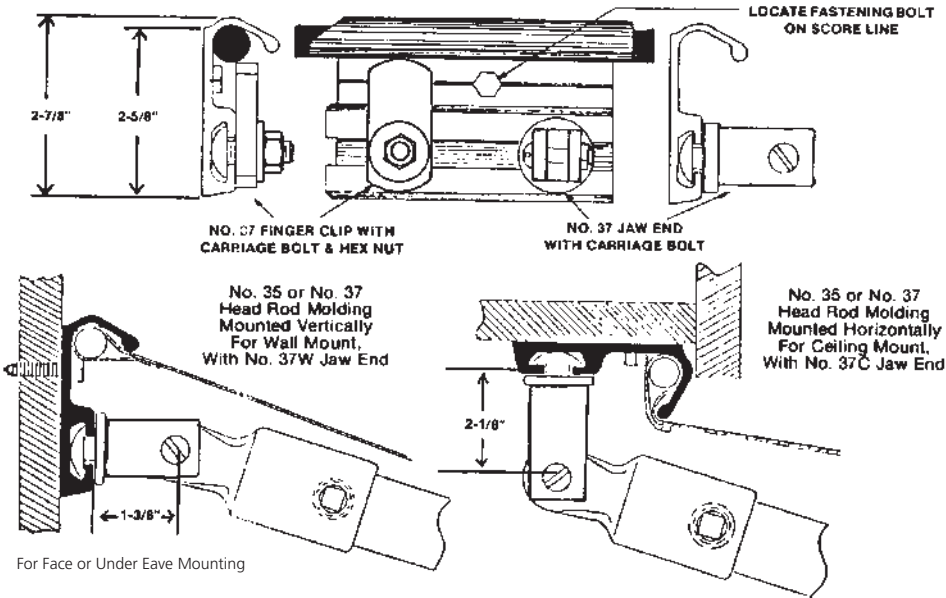


124538



124540

Item #	Style #	Description	Length	Standard Package	Weight
117139	37	Finger clip assembly. Stainless steel carriage bolt, machine screw, hex nut and washers.		25	
124538	37C	Jaw end with stainless steel carriage bolt, machine screw, hex nut and washers.		25	
124540	37W	Jaw end with stainless steel carriage bolt, machine screw, hex nut and washers.		25	
251043	35	Molding	20 ft.	160 ft.	
251044	35	Molding	8 ft.	72 ft.	48 lbs.
251033	35JB	Molding	20 ft.	400 ft.	
251040	37	Molding	20 ft.	160 ft.	





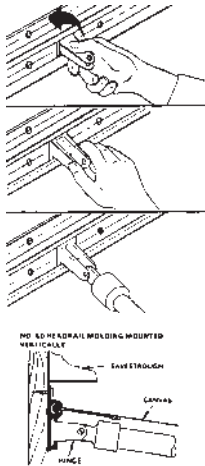
## Molding – Dietz Head Rod Molding

Dietz Headrail is a lightweight, continuous head and rafter holder extruded from 6063-T6 mill finish aluminum designed to provide easy, leakproof installations that combine strength, attractiveness, and economy. The need for a headerboard is eliminated.

The trailer molding-type opening eliminates the need for iron and provides an easy method for sliding the fabric through the molding. Conventional 1/4 inch rope or tubing is recommended for sewing in the head.

Cast aluminum alloy hinges are inserted with a simple quarter turn. It is not necessary to insert hinges from the end, which allows for easy installation of extra rafters.

Two grooves to facilitate drilling are strategically placed to offset thrust of frame and shrinkage of canvas, as well as allow ample clearance for 3/8 inch lag bolts or keystone anchors for brick installations.



Item #	Style #	Description	Length	Standard Package
237250	60	Molding	12 ft.	72 ft.
238015	51	Hinge with stainless steel nut and 1/4 inch bolt.		25



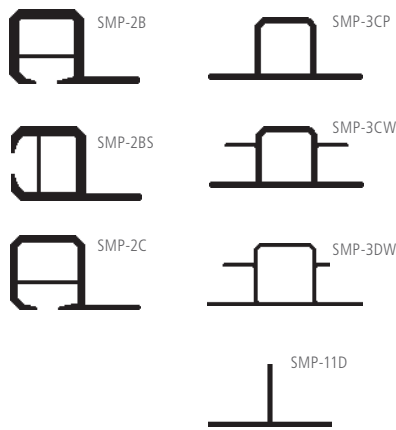
## Tubing – Aluminum Square And Rectangular

Square and rectangular 6063-T6 extruded mill finish aluminum tubing for awning framing and sign boxes. Both forms are lightweight, and corrosion resistant, offering the best combination of strength, bending and welding characteristics.

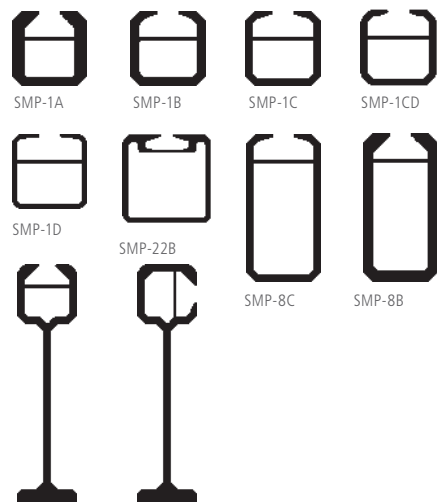
Item #	Length	Size	Standard Package
275924	24 ft.	1 in. x 1 in. x 0.125	360 ft.
275925	20 ft.	1 in. x 2 in. x 0.125	300 ft.
275923	20 ft.	1 in. x 1 in. x 0.125	300 ft.
275922	24 ft.	1 in. x 1 in. x 0.060	360 ft.
275921	20 ft.	1 in. x 1 in. x 0.060	300 ft.
275926	20 ft.	1 in. x 2 in. x 0.060	300 ft.
275900	20 ft.	1 in. x 1 in. x 0.060	80 ft.
275902	24 ft.	1 in. x 1 in. x 0.060	96 ft.



Ceiling Panel Support Members



Channeled Stapling Members



Steel Stitch™ Aluminum Extrusion

The Steel Stitch System offers flexibility in design and fabrication of interior and exterior awnings, canopies and back-lit signs. The aluminum alloy 6063-T5 mill finish frame system utilizes the “staple-in” method of attaching fabric, which is taken directly from the roll and stapled into a channel in the frame. A PVC finishing trim, in a choice of 30 colors plus Crystal Clear, is then driven into the channel to cover the staples. With the use of divider strips to join sections and the exclusive, patented FlashStrip®, which forms a watertight seal against building surfaces, the result is an attractive, seamless and wrinkle-free awning, canopy or sign.

Item #	Style #	Description	Feet Per Bundle	Length	Size	Standard Package
250086	SMP-7	Aluminum Rod	200 ft.	20 ft.	1/2 in. OD	200
250055	SMP-1CD	Tube	250 ft.	25 ft.	1 in. x 1 in. x 0.090 in.	250
250076	SMP-4C	Tube	200 ft.	20 ft.	1 in. x 1 in. x 1/10 in.	200
250054	SMP-1C	Tube	250 ft.	25 ft.	1 in. x 1 in. x 1/10 in.	250
250078	SMP-4C	Tube	250 ft.	25 ft.	1 in. x 1 in. x 1/10 in.	250
250074	SMP-4B	Tube	200 ft.	20 ft.	1 in. x 1 in. x 1/8 in.	200
250052	SMP-1B	Tube	250 ft.	25 ft.	1 in. x 1 in. x 1/8 in.	250
250064	SMP-2C	Tube	250 ft.	25 ft.	1 in. x 1-3/4 in. x 1/10 in.	250
250058	SMP-2B	Tube	250 ft.	25 ft.	1 in. x 1-3/4 in. x 1/8 in.	250
250062	SMP-2BS	Tube	250 ft.	25 ft.	1 in. x 1-3/4 in. x 1/8 in.	250
250091	SMP-8C	Tube	250 ft.	25 ft.	1 in. x 2 in. x 1/10 in.	250
250090	SMP-8B	Tube	250 ft.	25 ft.	1 in. x 2 in. x 1/8 in.	250
250070	SMP-3CW	Tube	200 ft.	20 ft.	1 in. x 2-1/2 in. x 1/10 in.	200
250068	SMP-3CP	Tube	200 ft.	20 ft.	1 in. x 2-1/2 in. x 1/10 in.	200
250097	SMP-15B	Tube	150 ft.	25 ft.	1-1/2 in. x 1-1/2 in. x 1/8 in.	150
250099	SMP-22B	Tube	150 ft.	25 ft.	2 in. x 2 in. x 1/8 in.	150
250082	SMP-5D	Tube	200 ft.	20 ft.	7/8 in. x 7/8 in. x 1/16 in.	200

Steel Stitch™ is a trademark of Steel Stitch Corporation. FlashStrip® is a registered trademark of Steel Stitch Corporation.

Steel Stitch™ ZipStrip®

Designed to cover the staples once the fabric has been stapled into position. Product is driven into the open channel using an air hammer.



Item #	Color	Color #	Standard Package
249916	Aquamarine	16	400 ft.
249905	Beige	05	400 ft.
250305	Beige	05	150 ft.
250302	Black	02	150 ft.
249902	Black	02	400 ft.
250333	Bordeaux	33	150 ft.
249934	Bordeaux	33	400 ft.
249926	Bright Blue	26	400 ft.
249930	Bright Orange	30	400 ft.
249924	Bright Red	24	400 ft.
250324	Bright Red	24	150 ft.
249906	Brown	06	400 ft.
250306	Brown	06	150 ft.
250311	Burgundy	11	150 ft.
249911	Burgundy	11	400 ft.

Item #	Color	Color #	Standard Package
250304	Cream	04	150 ft.
249904	Cream	04	400 ft.
250331	Crystal Clear	31	150 ft.
249931	Crystal Clear	31	400 ft.
250313	Dark Blue	13	150 ft.
249913	Dark Blue	13	400 ft.
249918	Dark Green	18	400 ft.
250318	Dark Green	18	150 ft.
250323	Deep Red	23	150 ft.
249923	Deep Red	23	400 ft.
249929	Golden Yellow	29	400 ft.
250329	Golden Yellow	29	150 ft.
249917	Grass Green	17	400 ft.
250303	Grey	03	150 ft.
249903	Grey	03	400 ft.
249922	Linen	22	400 ft.
250322	Linen	22	150 ft.
249914	Medium Blue	14	400 ft.
250310	Plum	10	150 ft.
249920	Pumpkin	20	400 ft.
249912	Rouge Red	12	400 ft.
250312	Rouge Red	12	150 ft.
249925	Royal Blue	25	400 ft.
250325	Royal Blue	25	150 ft.
249927	Teal	27	400 ft.
250321	Terra Cotta	21	150 ft.
249921	Terracotta	21	400 ft.
249928	Turquoise	28	400 ft.
250332	Violet	32	150 ft.
249933	Violet	32	400 ft.
249901	White	01	400 ft.
250301	White	01	150 ft.
250319	Yellow	19	150 ft.
249919	Yellow	19	400 ft.

Steel Stitch™ is a trademark of Steel Stitch Corporation. ZipStrip® is a registered trademark of Steel Stitch Corporation.



249879



249873

## Steel Stitch™ ZipStrip® – Sunbrella® Fabric

This fabric covered PVC staple channel trim creates a traditional finish on woven canvas awnings and canopies. Fabric covered ZipStrip is made with Sunbrella acrylic fabrics that completely conceal the PVC material. A durable lockstitch double seam holds the fabric securely in place for years of attractive performance. Custom colors and fabrics are available.

Item #	Color	Color #	Standard Package
249879	Beige	6020	160 ft.
249877	Black Cherry	6040	160 ft.
249878	Black	6008	160 ft.
249891	Burgundy	6031	160 ft.
249890	Cadet Grey	6030	160 ft.
249896	Captain Navy	6046	160 ft.
249894	Forest Green	6037	160 ft.
249873	Jockey Red	6003	160 ft.
249893	Linen	6033	160 ft.
249876	Navy	6026	160 ft.
249897	Oyster	6042	160 ft.
249871	Pacific Blue	6001	160 ft.
249875	Persian Green	6043	160 ft.
249884	Sapphire Blue	6041	160 ft.
249895	Seagrass Green	6045	160 ft.
249881	Terracotta	6022	160 ft.
249882	Toast	6028	160 ft.
249880	True Brown	6021	160 ft.

Steel Stitch™ is a trademark of Steel Stitch Corporation. ZipStrip® is a registered trademark of Steel Stitch Corporation. Sunbrella® is a registered trademark of Glen Raven, Inc.



249836

## Steel Stitch™ ZipStrip® – Firesist® Fabric

This fabric covered PVC staple channel trim creates a traditional finish on woven canvas awnings and canopies. Fabric covered ZipStrip is made with Firesist fabrics that completely conceal the PVC material. A durable lockstitch double seam holds the fabric securely in place for years of attractive performance. Custom colors and fabrics are available.

Item #	Color	Color #	Standard Package
249837	Admiral Navy	82010	160 ft.
249836	Black	82008	160 ft.
249844	Burgundy	82016	160 ft.
249868	Cedar	82023	160 ft.
249845	Crimson	82017	160 ft.
249867	Flannel	82022	160 ft.
249869	Fog	82024	160 ft.
249833	Forest Green	82003	160 ft.
249866	Redwood		160 ft.
249831	Regatta	82000	160 ft.
249835	Sand	82006	160 ft.
249838	Toast Beige	82012	160 ft.

ZipStrip® is a registered trademark of Steel Stitch Corp. Firesist® is a registered trademark of Glen Raven, Inc. Tenara® is a registered trademark of W.L. Gore & Associates, Inc.



249811

## Steel Stitch™ ZipStrip® – Sunbrella® Fabric with Tenara® Thread

This fabric covered PVC staple channel trim creates a traditional finish on woven canvas awnings and canopies. Fabric covered ZipStrip is made with Sunbrella acrylic fabrics that completely conceal the PVC material. A durable lockstitch double seam of Tenara thread holds the fabric securely in place for years of attractive performance. Custom colors and fabrics are available.



Item #	Color	Color #	Standard Package
249825	Beige	4620	160 ft.
249813	Black	4608	160 ft.
249824	Brown	4621	160 ft.
249816	Burgundy	4631	160 ft.
249819	Captain Navy	4646	160 ft.
249808	Charcoal Grey	4644	160 ft.
249818	Forest Green	4637	160 ft.
249811	Jockey Red	4603	160 ft.
249827	Medium Blue	4652	160 ft.
249810	Pacific Blue	4601	160 ft.
249823	Seagrass Green	4645	160 ft.
249809	Taupe	4648	160 ft.
249814	Terracotta	4622	160 ft.
249815	Toast	4628	160 ft.

ZipStrip® is a registered trademark of Steel Stitch Corp. Sunbrella® is a registered trademark of Glen Raven, Inc. Tenara® is a registered trademark of W.L. Gore & Associates, Inc.



249855

## Steel Stitch™ ZipStrip® – Firesist® Fabric with Tenara® Thread

This fabric covered PVC staple channel trim creates a traditional finish on woven canvas awnings and canopies. Fabric covered ZipStrip is made with Firesist fabrics that completely conceal the PVC material. A durable lockstitch double seam of Tenara thread holds the fabric securely in place for years of attractive performance. Custom colors and fabrics are available.

Item #	Color	Color #	Standard Package
249857	Admiral Navy	82010	160 ft.
249865	Crimson	82017	160 ft.
249853	Forest Green	82003	160 ft.
249851	Regatta	82000	160 ft.
249859	Sunburst Yellow	82013	160 ft.

ZipStrip® is a registered trademark of Steel Stitch Corp. Firesist® is a registered trademark of Glen Raven, Inc. Tenara® is a registered trademark of W.L. Gore & Associates, Inc.



249950

## Steel Stitch™ FlashStrip®

Driven into the back bar to create a secure seal against virtually any building surface. Eliminate the need for labor-intensive caulking by applying a single bead of the sealant to the product prior to installation.

Item #	Color	Color #	Standard Package
249950	Crystal Clear	31	125 ft.

Steel Stitch™ is a trademark of Steel Stitch Corporation. FlashStrip® is a registered trademark of Steel Stitch Corporation.



250216



250162



228035



228033



228030

Steel Stitch™ Accessories

Steel Stitch branded chisel and divergent point staples work with Bea/Behrens (#250213, #250162), Fasco (#250198) and Apach (#250216) staplers.

Item #	Style #	Description	For Use With	Put Up	Size	Standard Package	Weight
250216	LU-9225AC	Apach Stapler with Case			8.8" x 2.3" x 7.8"	1	2.64 lbs.
250162	92/25-553	Bea/Behrens Stapler with Safety				1	
250213	92/25-553	Bea/Behrens Stapler				1	
228035	AS0K151	Danair Hammer O-Ring Kit				1	
228031	T15S	Danair Hammer Replacement Tip, Blue				1	
228033	158	Danair Hammer Replacement Valve				1	
228030	AH15S	Danair Pneumatic Hammer				1	
250198	F21T92-25AST	Fasco Stapler with Safety				1	
250222	805STA12CP	Staples - Steel Stitch Chisel Point Galvanized	BeA Stapler (#250213), BeA Stapler with Safety (#250162), Apach Stapler (#250216)	8400/box	1/2 in.	1 box	
250205	805STA38CP	Staples - Steel Stitch Chisel Point Galvanized	BeA Stapler (#250213), BeA Stapler with Safety (#250162), Apach Stapler (#250216)	5000/box	3/8 in.	1 box	
250158	810STA20	Staples - Steel Stitch Divergent Point Galvanized	BeA Stapler (#250213), BeA Stapler with Safety (#250162), Apach Stapler (#250216)	5000/box	1/2 in.	1 box	
250157	810STA10	Staples - Steel Stitch Divergent Point Galvanized	BeA Stapler (#250213), BeA Stapler with Safety (#250162), Apach Stapler (#250216)	5000/box	3/8 in.	1 box	
250202	810STA85	Staples - Steel Stitch Divergent Point Stainless Steel	BeA Stapler (#250213), BeA Stapler with Safety (#250162), Apach Stapler (#250216)	5000/box		1 box	
250153		Steel Stitch Grinding Disk				25	

Steel Stitch™ is a trademark of Steel Stitch Corporation.



250198



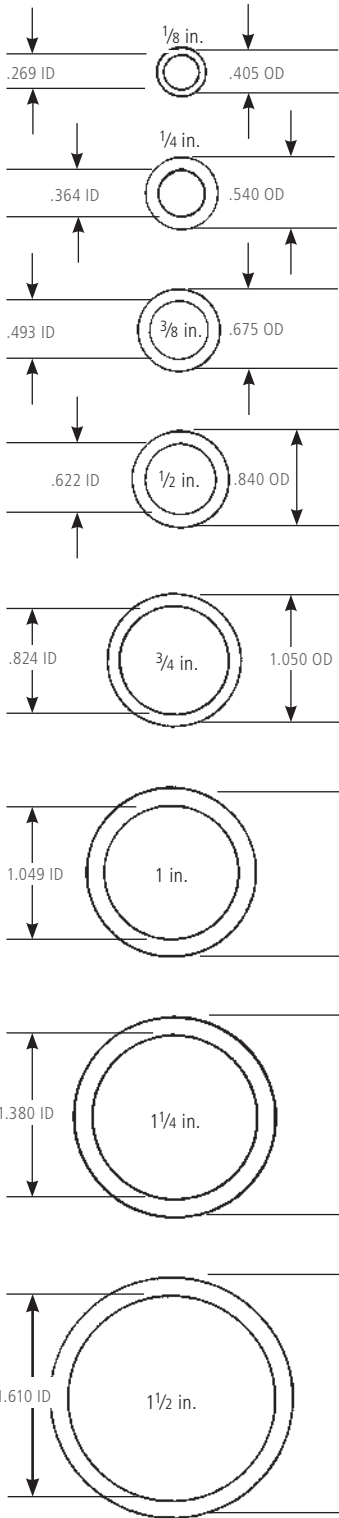
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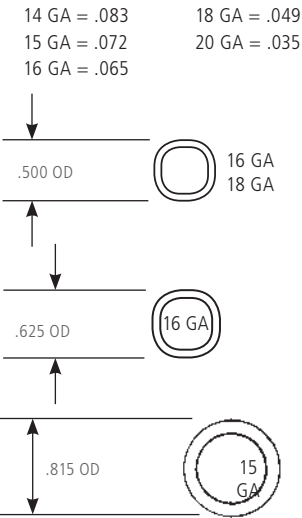
250153

# GATORSHIELD® TUBING – GALVANIZED FINISH STEEL

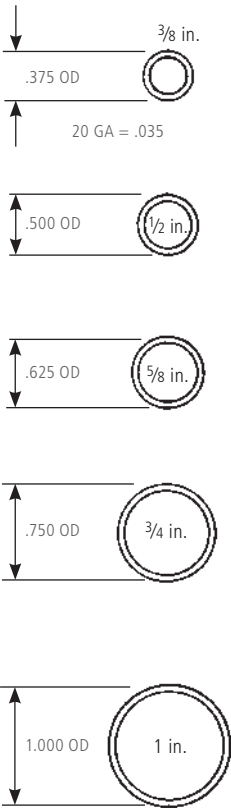
## Pipe Schedule 40



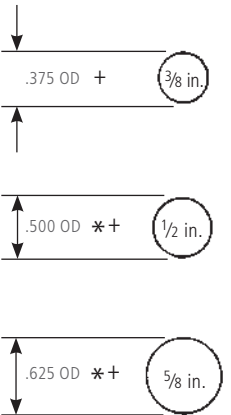
## Gatorshield Wall Size



## Mechanical Tubing (Numerous wall sizes available)



## Awning Iron



ID = Inside Diameter  
OD = Outside Diameter  
\* = Available in Aluminum Headrod  
+ = Available in Fiberglass Headrod

Gatorshield® is a registered trademark of Allied Tube & Conduit Corporation.

## Gatorshield® – Galvanized Finish Steel Tubing

Gatorshield steel tubing offers triple layer corrosion protection on the exterior surface consisting of zinc, a conversion coating and a clear organic topcoat. The interior is fully covered with a corrosion-resistant zinc coating. Independent tests have proven our steel tubing offers dramatically higher corrosion resistance than other products being marketed for awning framework.

Item #	Approximate Weight Per Piece	Feet Per Bundle	Gauge	Lbs Per Foot	Length	Pieces Per Bundle	Shape	Size Outside Diameter	Standard Package	Weight Per Bundle
276096	25.400 lbs.	640 ft.	16	1.27 lbs.	20 ft.	32	Rectangle	1 in. x 2 in.	32	813 lbs.
276099	23.230 lbs.	768 ft.	18	0.968 lbs.	24 ft.	32	Rectangle	1 in. x 2 in.	38.4	744 lbs.
276058	16.800 lbs.	1220 ft.	14	0.84 lbs.	20 ft.	61	Round	1.029	61	1025 lbs.
276057	27.328 lbs.	925 ft.	14	1.09 lbs.	25 ft.	37	Round	1.315	37	1011 lbs.
276062	21.800 lbs.	740 ft.	14	1.09 lbs.	20 ft.	37	Round	1.315	37	807 lbs.
276056	11.400 lbs.	1820 ft.	15	0.57 lbs.	20 ft.	91	Round	0.815	91	1037 lbs.
276052	4.800 lbs.	1820 ft.	18	0.24 lbs.	20 ft.	91	Round	0.500	91	437 lbs.
276065	9.960 lbs.	2540 ft.	18	0.498 lbs.	20 ft.	127	Round	1.000	127	1265 lbs.
276084	16.600 lbs.	1200 ft.	16	0.83 lbs.	20 ft.	60	Square	1 in.	60	1241 lbs.
276085	19.824 lbs.	1440 ft.	16	0.83 lbs.	24 ft.	60	Square	1 in.	60	1189 lbs.
276080	13.200 lbs.	1600 ft.	16	0.66 lbs.	20 ft.	80	Square	13/16 in.	80	1673 lbs.
276094	34.400 lbs.	500 ft.	16	1.72 lbs.	20 ft.	25	Square	2 in.	25	860 lbs.
276086	12.600 lbs.	1200 ft.	18	0.63 lbs.	20 ft.	60	Square	1 in.	60	561 lbs.
276088	9.200 lbs.	1200 ft.	20	0.46 lbs.	20 ft.	60	Square	1 in.	60	914 lbs.

Gatorshield® is a registered trademark of Allied Tube & Conduit Corporation.

## Gatorshield® – Tubing Plug

Item #	Description	For	Inside Diameter	Size	Standard Package
255420	Square	1 in. 16 gauge tubing	7/8 in. x 7/8 in.	1 in. x 1 in. x 1/2 in.	25

Gatorshield® is a registered trademark of Allied Tube & Conduit Corporation.



254160

## Gatorshield® – Touch Up Paint

Item #	Put Up	Standard Package
254160	12-oz aerosol can	12

Gatorshield® is a registered trademark of Allied Tube & Conduit Corporation.

## Grommets – DOT® with Plain Washer

Item #	Style #	Color	Finish	Hole Size After Setting	Material	Standard Package
233746	0			9/32 in.	Brass	1 gross
233760	0	Black		1/4 in.	Brass	1 gross
233715	0	Black		1/4 in.	Brass	25 gross
233707	0			1/4 in.	Brass	25 gross
233755	0		Nickel Plated	1/4 in.	Brass	1 gross
233727	0		Nickel Plated	1/4 in.	Brass	25 gross
233777	00			3/16 in.	Brass	1 gross
233787	00	Black		3/16 in.	Brass	1 gross



Item #	Style #	Color	Finish	Hole Size After Setting	Material	Standard Package
233699	00	Black		3/16 in.	Brass	25 gross
233700	00			3/16 in.	Brass	25 gross
233795	00		Nickel Plated	3/16 in.	Brass	1 gross
233730	00		Nickel Plated	3/16 in.	Brass	25 gross
233751	1			9/32 in.	Brass	1 gross
233772	1	Black		9/32 in.	Brass	1 gross
233716	1	Black		9/32 in.	Brass	25 gross
233708	1			9/32 in.	Brass	25 gross
233754	1		Nickel Plated	9/32 in.	Brass	1 gross
233731	1		Nickel Plated	9/32 in.	Brass	25 gross
233740	2			3/8 in.	Brass	1 gross
233756	2	Black		3/8 in.	Brass	1 gross
233709	2			3/8 in.	Brass	25 gross
233744	2		Nickel Plated	3/8 in.	Brass	1 gross
233728	2		Nickel Plated	3/8 in.	Brass	25 gross
233771	3	Black		7/16 in.	Brass	1 gross
233752	3			7/16 in.	Brass	1 gross
233710	3			7/16 in.	Brass	25 gross
233718	3	Black		7/16 in.	Brass	25 gross
233759	3		Nickel Plated	7/16 in.	Brass	1 gross
233729	3		Nickel Plated	7/16 in.	Brass	25 gross
233764	4	Black		1/2 in.	Brass	1 gross
233745	4			1/2 in.	Brass	1 gross
233711	4			1/2 in.	Brass	25 gross
233719	4	Black		1/2 in.	Brass	25 gross
233761	4		Nickel Plated	1/2 in.	Brass	1 gross
233732	4		Nickel Plated	1/2 in.	Brass	25 gross
233778	5			5/8 in.	Brass	1 gross
233697	5	Black		5/8 in.	Brass	25 gross
233692	5			5/8 in.	Brass	25 gross
233796	5		Nickel Plated	5/8 in.	Brass	1 gross
233733	5		Nickel Plated	5/8 in.	Brass	25 gross
233779	6			13/16 in.	Brass	1 gross
233693	6			13/16 in.	Brass	25 gross
233698	6	Black		13/16 in.	Brass	25 gross
233797	6		Nickel Plated	13/16 in.	Brass	1 gross

DOT® is a registered trademark of Scovill Fasteners, Inc.

## Grommets – DOT® with Tooth Washer

Item #	Style #	Color	Finish	Hole Size After Setting	Material	Standard Package
233788	0	Black		1/4 in.	Brass	1 gross
233780	0			1/4 in.	Brass	1 gross
233736	0	Black		1/4 in.	Brass	25 gross
233694	0			1/4 in.	Brass	25 gross
233970	0		Nickel Plated	1/4 in.	Brass	1 gross
233781	1			9/32 in.	Brass	1 gross
233695	1			9/32 in.	Brass	25 gross
233737	1	Black		9/32 in.	Brass	25 gross
233971	1		Nickel Plated	9/32 in.	Brass	1 gross
233687	1		Nickel Plated	9/32 in.	Brass	25 gross
233762	2			3/8 in.	Brass	1 gross
233789	2	Black		3/8 in.	Brass	1 gross
233720	2	Black		3/8 in.	Brass	25 gross
233712	2			3/8 in.	Brass	25 gross
233773	2		Nickel Plated	3/8 in.	Brass	1 gross
233688	2		Nickel Plated	3/8 in.	Brass	25 gross
233769	3			7/16 in.	Brass	1 gross
233713	3			7/16 in.	Brass	25 gross
233721	3	Black		7/16 in.	Brass	25 gross
233774	3		Nickel Plated	7/16 in.	Brass	1 gross
233770	4			1/2 in.	Brass	1 gross
233790	4	Black		1/2 in.	Brass	1 gross
233738	4	Black		1/2 in.	Brass	25 gross
233714	4			1/2 in.	Brass	25 gross
233775	4		Nickel Plated	1/2 in.	Brass	1 gross
233689	4		Nickel Plated	1/2 in.	Brass	25 gross
233782	5			5/8 in.	Brass	1 gross
233696	5			5/8 in.	Brass	25 gross
233776	5		Nickel Plated	5/8 in.	Brass	1 gross

DOT® is a registered trademark of Scovill Fasteners, Inc.

## Grommets – DOT® Rolled Rim with Spur Washer



233753

Item #	Style #	Color	Finish	Hole Size After Setting	Material	Standard Package
233767	0	Black		9/32 in.	Brass	1 gross
233753	0			9/32 in.	Brass	1 gross
233722	0	Black		9/32 in.	Brass	25 gross
233636	0			9/32 in.	Brass	25 gross
233743	0		Nickel Plated	9/32 in.	Brass	1 gross
233641	0		Nickel Plated	9/32 in.	Brass	25 gross
233749	1			13/32 in.	Brass	1 gross
233765	1	Black		13/32 in.	Brass	1 gross
233723	1	Black		13/32 in.	Brass	25 gross

Item #	Style #	Color	Finish	Hole Size After Setting	Material	Standard Package
233637	1			13/32 in.	Brass	25 gross
233748	1		Nickel Plated	13/32 in.	Brass	1 gross
233642	1		Nickel Plated	13/32 in.	Brass	25 gross
233757	2	Black		7/16 in.	Brass	1 gross
233741	2			7/16 in.	Brass	1 gross
233724	2	Black		7/16 in.	Brass	25 gross
233638	2			7/16 in.	Brass	25 gross
233747	2		Nickel Plated	7/16 in.	Brass	1 gross
233643	2		Nickel Plated	7/16 in.	Brass	25 gross
233750	3			15/32 in.	Brass	1 gross
233768	3	Black		15/32 in.	Brass	1 gross
233639	3			15/32 in.	Brass	25 gross
233725	3	Black		15/32 in.	Brass	25 gross
233763	3		Nickel Plated	15/32 in.	Brass	1 gross
233644	3		Nickel Plated	15/32 in.	Brass	25 gross
233766	4	Black		9/16 in.	Brass	1 gross
233742	4			9/16 in.	Brass	1 gross
233640	4			9/16 in.	Brass	25 gross
233726	4	Black		9/16 in.	Brass	25 gross
233758	4		Nickel Plated	9/16 in.	Brass	1 gross
233645	4		Nickel Plated	9/16 in.	Brass	25 gross
233791	5	Black		5/8 in.	Brass	1 gross
233783	5			5/8 in.	Brass	1 gross
233653	5			5/8 in.	Brass	25 gross
233928	5		Nickel Plated	5/8 in.	Brass	1 gross
233652	5			5/8 in.	Stainless Steel	1 gross
233792	6	Black		3/4 in.	Brass	1 gross
233784	6			3/4 in.	Brass	1 gross
233654	6			3/4 in.	Brass	25 gross
233929	6		Nickel Plated	3/4 in.	Brass	1 gross
233793	7	Black		29/32 in.	Brass	1 gross
233785	7			29/32 in.	Brass	1 gross
233655	7			29/32 in.	Brass	25 gross
233930	7		Nickel Plated	29/32 in.	Brass	1 gross
233786	8			1-3/32 in.	Brass	1 gross
233794	8	Black		1-3/32 in.	Brass	1 gross
233931	8		Nickel Plated	1-3/32 in.	Brass	1 gross

DOT® is a registered trademark of Scovill Fasteners, Inc.

## Grommets – DOT® Self-Piercing with Plain Washer



Will pierce most fabrics without pre-punching a hole, while setting the grommet and washer in the same action.

Item #	Style #	Finish	Hole Size After Setting	Material	Standard Package
233958	0		1/4 in.	Brass	500
233959	1		5/16 in.	Brass	500
233960	2		3/8 in.	Brass	500
233957	2	Nickel Plated	3/8 in.	Brass	500
233961	3		7/16 in.	Brass	500
233956	3	Nickel Plated	7/16 in.	Brass	500

DOT® is a registered trademark of Scovill Fasteners, Inc.

## Grommets – DOT® Self-Piercing Rolled Rim with Spur Washer

Will pierce most fabrics without pre-punching a hole, while setting the grommet and washer in the same action.

Item #	Style #	Hole Size After Setting	Material	Standard Package
233890	0	1/4 in.	Stainless Steel	1 gross
233896	0	1/4 in.	Stainless Steel	25 gross
233891	1	5/16 in.	Stainless Steel	1 gross
233897	1	5/16 in.	Stainless Steel	25 gross
233892	2	3/8 in.	Stainless Steel	1 gross
233898	2	3/8 in.	Stainless Steel	25 gross
233893	3	7/16 in.	Stainless Steel	1 gross
233899	3	7/16 in.	Stainless Steel	25 gross
233894	4	1/2 in.	Stainless Steel	1 gross
233900	4	1/2 in.	Stainless Steel	25 gross
233895	5	5/8 in.	Stainless Steel	1 gross
233901	5	5/8 in.	Stainless Steel	25 gross

DOT® is a registered trademark of Scovill Fasteners, Inc.

## Grommets – DOT® Special Brass And Washers



Item #	Style #	Description	Color	Finish	Material	Standard Package
233656	1	Grommet with A1340 Neck Washer			Brass	25 gross
233704	1	Grommet with A1340 Neck Washer	Black		Brass	25 gross
233705	1	Grommet with A1340 Neck Washer		Nickel Plated	Brass	25 gross
233706	2	Grommet with A3630 Washer			Brass	25 gross
233702	2	Grommet with A3630 Washer		Nickel Plated	Brass	25 gross
233455	4	Rolled Rim Grommet (Washer Not Included)		Nickel Plated	Brass	125 gross drum
233479	4	Spur Washer (Grommet Not Included))		Nickel Plated	Brass	125 gross drum

DOT® is a registered trademark of Scovill Fasteners, Inc.

## Grommets – Sharpened Edge with Small Tooth Locking Channel



Washer

Will pierce most fabrics without pre-punching a hole, while setting the grommet and washer in the same action.

Item #	Style #	Finish	Hole Size After Setting	Material	Standard Package
233973	1	Lacquer	5/16 in.	Brass	500
233071	1	Nickel Plated	5/16 in.	Brass	500
233566	2	Nickel Plated	3/8 in.	Brass	500
233975	3	Lacquer	7/16 in.	Brass	100
233567	3	Nickel Plated	7/16 in.	Brass	100



Grommets – Self-Piercing with Plain Washer

Will pierce most fabrics without pre-punching a hole, while setting the grommet and washer in the same action.

Item #	Style #	Hole Size After Setting	Material	Standard Package
235413	1	5/16 in.	Stainless Steel	500
235414	2	3/8 in.	Stainless Steel	500

Grommets – Self-Piercing Rolled Rim with Spur Washer

Will pierce most fabrics without pre-punching a hole, while setting the grommet and washer in the same action.

Item #	Style #	Finish	Hole Size After Setting	Material	Standard Package
233024	1	Nickel Plated	3/8 in.	Brass	500
233025	2	Nickel Plated	7/16 in.	Brass	250

E-Z Lace Supreme®

E-Z Lace Supreme eliminates the need to insert grommets. A 1 inch re-enforced side hole size makes lacing that much easier and quicker, while the 3 inch center spacing of the holes greatly increases manufacturing design flexibility. E-Z Lace Supreme also has a specialized and durable finish that resists mildew and ultraviolet rays, significantly increasing long-term strength and durability.

Item #	Style #	Color	Put Up	Width
502108	6608	Black	50 yd.	2-1/8 in.
502109	6630	Cadet Grey	50 yd.	2-1/8 in.
502111	6637	Forest Green	50 yd.	2-1/8 in.
502112	6604	Natural	50 yd.	2-1/8 in.
502107	6601	Pacific Blue	50 yd.	2-1/8 in.

E-Z Lace Supreme® is a trademark of Offray Specialty Narrow Fabrics.



207671

Buckles – “Push-Button”

Item #	Style #	Finish	Standard Package	Webbing Size
207671	6105	Black enamel	100	1 in.
207668	6105	Cadmium plated	100	1 in.
207724	6105	Nickel plated	100	1 in.
207722	6105	Nickel plated	100	1-1/2 in.
207667	6105	Nickel plated	100	3/4 in.
207723	6105	Stainless Steel	100	1 in.
207721	6105	Stainless steel	100	1-1/2 in.
207665	3105	Zinc plated	500	1 in.



207652



207680

## Buckles – For Nylon Or Polyester Webbing

A 1 inch non-slip buckle developed to provide a positive hold on very smooth nylon or polyester webbing when webbing is threaded through the buckle.

Item #	Style #	Finish	Standard Package	Webbing Size
207652	1020	Nickel plated	100	1 in.
207680	4042	Nickel plated		1 in.



207558

## Buckles – Single Bar

For 1 inch webbing. Sheet brass, black finish. Meets Mil-B-543 Type 1, Style 2, Class 1.

Item #	Style #	Standard Package	Webbing Size
207558	146	100	1 in.



207650



207512



207516



207517

## Buckles – Tongueless

Dependable and sturdy buckles with a firm locking toothed slide. Made of the finest grade stamped steel.

Item #	Style #	Finish	Standard Package	Type	Webbing Size
207650	01055	Cadmium plated	100	Type 1, 2, 3	1 in.
207512	2690	Cadmium plated	50	Type 1, 2, 3	1-1/2 in.
207516	5270	Cadmium plated	50	Type 1, 2, 3	2 in.
207517	5270	Nickel plated	100	Type 1, 2, 3	2 in.
207508	635	Zinc plated	200		1 in.



260441

## Clip And Dee

Item #	Style #	Finish	Inside Dimension Width	Length	Material	Size	Size Hole	Standard Package
213820	1954		3/4 in.	1-3/8 in.	Stainless Steel		0.201 in.	1000
260441	1954	Nickel Plated	3/4 in.		Steel	1-3/8 in.	0.201 in.	1000



249216

## Footman Loop

Made of zinc-plated steel.

Item #	Style #	Diameter Hole	Size	Standard Package	Webbing Size
249208	118-BX100-25	7/32 in.	2-5/8 in.	100	1 in.
249203	118-BX1000-25	7/32 in.	2-5/8 in.	1000	1 in.
249214	524	7/32 in.	3-1/8 in.	100	1-1/2 in.
249218	138	1/4 in.	2-3/4 in.	100	1-1/4 in.
249216	218	1/4 in.	3-5/8 in.	100	2 in.



295565

Webbing Loop

Made of nickel-plated steel.

Item #	Style #	Size	Standard Package	Type
295560	4950	1 in. x 7/16 in.	100	Unwelded
295565	69900	2 in. x 7/16 in.	100	Unwelded



275703

Triangle Ring

Item #	Finish	Material	Size	Standard Package
275703	Nickel Plated	Steel	1-1/2 in. x 1-1/2 in. x 1-1/2 in.	100

Dee Ring – Zinc Die-Cast

Item #	Style #	Description	Inside Dimension Height	Inside Dimension Width	Material	Standard Package	Wire Diameter
260511	45204	Non-Welded	8/9 in.	1 in.	Zinc Die-Cast	1000	0.154 in.



260527

Dee Ring – Zinc Plated

Made of steel wire, with a zinc plating.

Item #	Style #	Description	Inside Dimension Height	Inside Dimension Width	Standard Package	Wire Diameter
260507	563	Non-Welded	5/8 in.	3/4 in.	500	0.135 in.
260508	563	Non-Welded	7/8 in.	1 in.	200	0.135 in.
260512	563	Non-Welded	1-3/16 in.	1-1/2 in.	200	0.148 in.
260527	3250	Welded	3/4 in.	7/8 in.	100	0.207 in.
260528	3250	Welded	7/8 in.	1 in.	100	0.207 in.
260529	3250	Welded	1 in.	1-1/8 in.	100	0.207 in.
260530	3250	Welded	1-1/8 in.	1-1/4 in.	100	0.243 in.
260532	3250	Welded	1-5/16 in.	1-1/2 in.	50	0.253 in.
260534	3250	Welded	1-1/2 in.	1-3/4 in.	50	0.262 in.
260536	3250	Welded	1-5/8 in.	2 in.	50	0.262 in.



260502

Dee Ring – Nickel Plated

Item #	Style #	Description	Finish	Inside Dimension Height	Inside Dimension Width	Material	Standard Package	Wire Diameter
260500	3250	Welded	Nickel Plated	1-3/5 in.	2 in.	Steel	500	0.260 in.
260502	563	Non-Welded	Nickel Plated	3/4 in.	1 in.	Steel	200	0.135 in.
260503	563	Non-Welded	Nickel Plated	5/8 in.	3/4 in.	Steel	500	0.135 in.



267320

## Spring – Trampoline

Item #	Length	Standard Package
267320	8 in.	100



295531

## Webbing – 3 Bar Slide

Made of stamped steel, nickel plated. Used for garments, parkas, outerwear, equestrian equipment, horse blankets.



295537

Item #	Style #	Size	Standard Package
295531	02300	1 in.	500
295532	02300	1-1/2 in.	500
295534	02300	2 in.	500
295537	03300	2 in.	200



274908

## Webbing – Tip For Types I And II Webbing

Flat type. Nickel plated steel.

Item #	Style #	Size	Standard Package
274908	1	1 in.	1000



275012

## Webbing – Tip For Types I, II And III Webbing

Ball type. Brass with black finish. Meets Government Specifications MIL-C-496.

Item #	Style #	Size	Standard Package
275008	149	1 in.	1000
275012	149	1-1/2 in.	25



267989

## Staples – Oblong Clinch

Item #	Style #	Standard Package
267989	189	1



207697



## ACW Side Release Buckles

Item #	Style #	Description	Color	Material	Standard Package	Webbing Size
207701	91514 BSR	Side Release Buckle	Black	Acetal	100	1 in.
207697	91409/91526 BSR-DA	Side Release Double Adjust Buckle	Black	Acetal	100	1 in.
207726	91409-BSR-DA	Side Release Double Adjust Buckle	Black	Acetal	100	1 in.



585060

## Fastex® Side Release Buckle

Can be used on backpacks, camera bags, and many other fastening applications.

Item #	Description	Color	Material	Standard Package	Webbing Size
585032	Body Only	Black	Acetal	1	1 in.
585030		Black	Acetal	100	1 in.
585060		Black	Acetal	100	1-1/2 in.
585075		Black	Acetal	100	2 in.
585015		Black	Acetal	100	3/4 in.
585031		White	Acetal	100	1 in.

Fastex® is a registered trademark of ITW.





585215

## Fastex® Ladderloc™

Can be used on backpacks, camera bags, and many other fastening applications.

Item #	Style #	Color	Material	Standard Package	Webbing Size
585215	154-0075	Black	Acetal	100	3/4 in.
585270	104-2200	Black	Acetal	100	2 in.
585283	154-3100-5614	Black	Acetal	1000	1 in.

Fastex® is a registered trademark of ITW. Ladderloc™ is a trademark of ITW.

## ACW Cam Buckles

Item #	Style #	Color	Material	Standard Package	Webbing Size
207720	91390 CB	Black	Acetal	100	1 in.



586430

## Fastex® Cam Buckle

This versatile buckle works with a camming action directly against webbing. It provides easy adjustment and high security at the same time and is suitable for a wide range of webbing applications. One-handed quick release.

Item #	Color	Color #	Material	Standard Package	Webbing Size
586430	Black	525	Acetal	100	1 in.

Fastex® is a registered trademark of ITW.

## YKK® Fasteners

All plastic hardware.

Item #	Style #	Description	Color	Standard Package	Webbing Size
585585	93838	Wheel Lock	Black	100	1 in.

YKK® is a registered trademark of YKK Corporation in Japan and other countries/regions.



586110

## Fastex® Barreloc

Limitless applications include locking sleeping bag and parka hood draw strings. Can be used with either one or two cords.

Item #	Color	Material	Rope Size	Standard Package
586110	Black	Acetal	3/16 in.	100

Fastex® is a registered trademark of ITW.



586578

## Fastex® Ellipsecordloc

Provides an option for a lanyard tie down to assist in hand adjustments.

Item #	Color	Material	Rope Size	Standard Package
586578	Black	Acetal	1/4 in.	1000

Fastex® is a registered trademark of ITW.



585630

## Fastex® D-Ring

These D-rings are perfect whenever a sturdy attachment point is required. Unlike metal D-rings, they won't rust or corrode.

Item #	Color	Material	Standard Package	Webbing Size
585630	Black	Acetal	100	1 in.
585660	Black	Acetal	100	1-1/2 in.
585675	Black	Acetal	100	2 in.

Fastex® is a registered trademark of ITW.



585775

## Fastex® Looploc

Ideal for holding straps or webbing where no adjustment is needed.

Item #	Style #	Color	Material	Standard Package	Webbing Size
585715	111-0100	Black	Acetal	100	1 in.
585760	111-0150	Black	Acetal	100	1-1/2 in.
585775	111-0200	Black	Acetal	100	2 in.

Fastex® is a registered trademark of ITW.



587300

## Fastex® Sewable Grommet

Molded from a toughened nylon, the Sewable Grommet can be sewn directly to fabric or webbing. It will withstand heavy load and stress factors, yet always return to its original shape. It is unaffected by weather and will not snap or pull rope or cord running through it. Unaffected by ultraviolet degradation. Radio frequency bondable.

Item #	Style #	Color	Material	Standard Package
587300	406-0000	Black	Toughened Nylon	500

Fastex® is a registered trademark of ITW.



586920

## Fastex® Shock Cord Hook

These shock cord fasteners will not mar or scratch anything they touch. The entire unit is molded, which eliminates the necessity of using a metal crimp ring. They are also rust and corrosion proof. Operates under all weather conditions. Not affected by salt water.

Item #	Style #	Color	Cord Size	Material	Standard Package
586920	605-0250-5614	Black	1/4 in.	Acetal	100
586930	605-0375	Black	5/16 in.	Acetal	100

Fastex® is a registered trademark of ITW.



585975

## Fastex® Triglide™ 3 Bar Slide

For sporting, recreational, luggage, medical, apparel and juvenile products. Extremely popular in the floatation and backpacking industries, these buckles can be used wherever webbing closures are needed. Useful in just about any application in which a variable length strap assembly is required.

Item #	Style #	Color	Material	Standard Package	Webbing Size
585930	105-0100	Black	Acetal	100	1 in.
585960	105-0150	Black	Acetal	100	1-1/2 in.
585975	105-0200	Black	Acetal	100	2 in.

Fastex® is a registered trademark of ITW. Triglide™ is a trademark of ITW.



207540



586089

YKK® Fasteners

All plastic hardware.

Item #	Style #	Description	Color	Rope Size	Standard Package	Webbing Size
207540	LBS1	Easy Release Buckle	Black		100	1 "
207543	LBRU1	Heavy Duty Quick Release Buckle	Black		1000	1 "
207545	LBRU1.5	Heavy Duty Quick Release Buckle	Black		1000	1-1/2 "
586089	LC05SHD2	Single Cord Lock with Double Loop	Black	3/16 in.	1500	

YKK® is a registered trademark of YKK Corporation in Japan and other countries/regions.



585310

Snaphook – Interlocking Snaphook

Applications are similar to those of the side release buckle. However, the “tooth” design increases the overall strength.

Item #	Style #	Color	Material	Standard Package
585310	106-1000	Black	Delrin®	100

Delrin® is a registered trademark of E.I. Dupont de Nemours and Company, Inc.



585430

Snaphook – Retainer

Item #	Style #	Color	Material	Size	Standard Package
585430	108-0100	Black	Delrin®	1 in.	100
585460	108-0150	Black	Delrin®	1-1/2 in.	100
585475	108-0200-5614	Black	Delrin®	2 in.	100

Delrin® is a registered trademark of E.I. Dupont de Nemours and Company, Inc.



585300

Snaphook – Standard Snaphook

Used most often for detachable shoulder straps.

Item #	Style #	Color	Material	Standard Package
585300	106-0000	Black	Delrin®	100

Delrin® is a registered trademark of E.I. Dupont de Nemours and Company, Inc.



230991



230998



230997



230717

DOT® Baby Durable™

An intermediate size snap fastener. Baby Durable provides firm snap action and strong holding power without being visually prominent on the end item.

Item #	Style #	Description	Finish	Size	Standard Package
230991	94-X2-12108-2B	Cap	Black Oxide	3/16 in.	1000
230854	94-XB-12105-2B	Cap	Black Oxide		1000
230997	94-BS-12402-2C	Post	Black Oxide	3/16 in.	1000
230993	94-XB-12205-2C	Socket	Black Oxide		1000
230995	94-BS-12302-2C	Stud	Black Oxide		1000
230998	94-BS-12303-2C	Stud	Black Oxide		1000
230717	94-XB-12105-4A	Cap	Nickel Plated		100
230794	94-BS-12402-1A	Post	Nickel Plated	3/16 in.	100

Item #	Style #	Description	Finish	Size	Standard Package
230795	94-BS-12404-2A	Post	Nickel Plated	1/4 in.	1000
230792	94-XB-12205-4A	Socket	Nickel Plated		100
230959	94-BS-12303-2A	Stud	Nickel Plated		1000

DOT® is a registered trademark of Scovill Fasteners, Inc. Baby Durable™ is a trademark of Scovill Fasteners, Inc.

## DOT® Common Sense® / Curtain Fasteners

Curtain fasteners are available in brass lacquer, nickel or black finish. All studs have rust-resistant brass springs. Sold in full package lots of 100 and 1000 pieces.



230580



230587



230386



230207



230423



230426

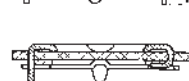
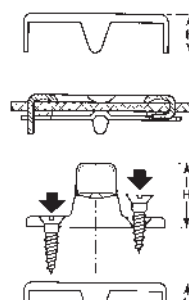
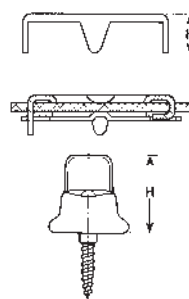
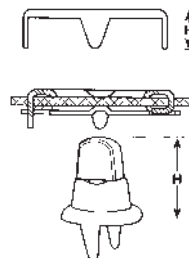
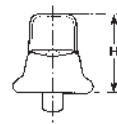


230205



230504

Item #	Style #	Description	Finish	Size	Standard Package	Tools Part #
230509	91-PS-78511-49	Washer			100	
230580	91-BS-78403-1G	Eyelet	Black Oxide		100	C4-450 (#216045)
230380	91-BS-78403-2G	Eyelet	Black Oxide		1000	C4-450 (#216045)
230587	91-XB-78332-1G	Turn Button Double Prong	Black Oxide		100	171 (#275575)
230386	91-XB-78322-2G	Turn Button Two Screw Holes	Black Oxide		1000	
230581	91-BS-78505-1C	Washer	Black Oxide		100	
230381	91-BS-78505-2C	Washer	Black Oxide		1000	
230207	91-BS-78507-2D	Back Plate	Gilt		1000	171 (#275575)
230403	91-BS-78403-1E	Eyelet	Gilt		100	C4-450 (#216045)
230203	91-BS-78403-2E	Eyelet	Gilt		1000	C4-450 (#216045)
230423	91-XB-78323-1E	Turn Button Double Height Two Screw Holes	Gilt		100	
230223	91-XB-78323-2E	Turn Button Double Height Two Screw Holes	Gilt		1000	
230426	91-XB-783247-1E	Turn Button Screw Stud	Gilt	5/8 in.	100	89-9908 (#275584)
230226	91-XB-783247-2E	Turn Button Screw Stud	Gilt	5/8 in.	1000	89-9908 (#275584)
230422	91-XB-78322-1E	Turn Button Two Screw Holes	Gilt		100	
230405	91-BS-78505-1D	Washer	Gilt		100	
230205	91-BS-78505-2D	Washer	Gilt		1000	
230520	91-X8-783247-1A	Turn Button Screw Stud	Nickel Plated, Stainless Steel Stud	5/8 in.	100	89-9908 (#275584)
230228	91-X8-783247-2A	Turn Button Screw Stud	Nickel Plated, Stainless Steel Stud	5/8 in.	1000	89-9908 (#275584)
230504	91-BS-78502-1A	Back Plate	Nickel Plated		100	
230307	91-BS-78507-2A	Back Plate	Nickel Plated		1000	171 (#275575)
230507	91-BS-78507-4A	Back Plate	Nickel Plated		100	171 (#275575)
230534	91-BS-78404-4A	Eyelet (Long)	Nickel Plated		100	





Item #	Style #	Description	Finish	Size	Standard Package	Tools Part #
230303	91-BS-78403-2A	Eyelet	Nickel Plated		1000	C4-450 (#216045)
230503	91-BS-78403-4A	Eyelet	Nickel Plated		100	C4-450 (#216045)
230527	91-XB-783257-1A	Turn Button Double Height Screw Stud	Nickel Plated	5/8 in.	100	89-9908 (#275584)
230327	91-XB-783257-2A	Turn Button Double Height Screw Stud	Nickel Plated	5/8 in.	1000	89-9908 (#275584)
230323	91-XB-78323-2A	Turn Button Double Height Two Screw Holes	Nickel Plated		1000	
230523	91-XB-78323-4A	Turn Button Double Height Two Screw Holes	Nickel Plated		100	
230533	91-XB-78333-1A	Turn Button Double Prong Double Height	Nickel Plated		100	171 (#275575)
230332	91-XB-78332-2A	Turn Button Double Prong	Nickel Plated		1000	171 (#275575)
230532	91-XB-78332-4A	Turn Button Double Prong	Nickel Plated		100	171 (#275575)
230326	91-XB-783247-2A	Turn Button Screw Stud	Nickel Plated	5/8 in.	1000	89-9908 (#275584)
230526	91-XB-783247-4A	Turn Button Screw Stud	Nickel Plated	5/8 in.	100	89-9908 (#275584)
230220	91-XX-783157-2A	Turn Button Screw Stud	Nickel Plated	5/8 in.	1000	
230500	91-XX-783157-4A	Turn Button Screw Stud	Nickel Plated	5/8 in.	100	89-9908 (#275584)
230322	91-XB-78322-2A	Turn Button Two Screw Holes	Nickel Plated		1000	
230522	91-XB-78322-4A	Turn Button Two Screw Holes	Nickel Plated		100	
230549	91-XB-78317-4A	Turn Button	Nickel Plated		100	
230305	91-BS-78505-2A	Washer	Nickel Plated		1000	
230505	91-BS-78505-4A	Washer	Nickel Plated		100	
230311	91-BS-78510-2A	Washer	Nickel Plated		1000	
230508	91-BS-78510-4A	Washer	Nickel Plated		100	

DOT® and Common Sense® are registered trademarks of Scovill Fasteners, Inc. Durable™ is a trademark of Scovill Fasteners, Inc.



## DOT® Durable™ Blind Rivet Stud

This component will provide the installer with a convenient method for securing a stud on hard surfaces such as steel, aluminum, tubing and panels.

Blind Rivet Studs are set in the same manner as typical pop rivets and eliminate the need for threading a stud into a pre-drilled hole or using a machine screw and nut combination. Used with the X2-10128 Button and XB-10224 Socket or similar combinations.

Item #	Style #	Description	Finish	Standard Package
230772	93-X8-10314-1A	Blind Rivet Stud	Nickel Plated, Stainless Steel Mandrel	100
230932	93-X8-10314-2A	Blind Rivet Stud	Nickel Plated, Stainless Steel Mandrel	1000
230774	93-X8-10319-1A	Blind Rivet Stud	Nickel Plated, Stainless Steel Mandrel	100

DOT® is a registered trademark of Scovill Fasteners, Inc. Durable™ is a trademark of Scovill Fasteners, Inc.



229625



# DOT® Durable™ Enamel

These ultraviolet stabilized enamel painted buttons are in popular demand. The generous color selection is designed to match or compliment a wide variety of today's most popular marine fabrics. Available in packs of 100 and 1000.

Item #	Style #	Color	Standard Package
229684	93-X8-10128-9024-1V	Bahama Berry	100
229650	93-X8-10128-1339-1V	Black	100
229601	93-X2-10128-1339-1V	Black	100
229901	93-X2-10128-1339-2V	Black	1000
229669	93-X8-10128-9009-1V	Blue Marlin	100
229617	93-X2-10128-2595-1V	Butternut Beige	100
229660	93-X8-10128-9000-1V	Cadet Grey	100
229625	93-X2-10128-9000-1V	Cadet Grey	100
229623	93-X2-10128-9002-1V	Captain Navy	100
229662	93-X8-10128-9002-1V	Captain Navy	100
229620	93-X2-10128-1473-1V	Dark Green	100
229600	93-X2-10128-1534-1V	Dull Black	100
229653	93-X8-10128-1534-1V	Dull Black	100
229900	93-X2-10128-1534-2V	Dull Black	1000
229655	93-X8-10128-2234-1V	Foliage Green	100
229632	93-X2-10128-9004-1V	Heather Beige	100
229664	93-X8-10128-9004-1V	Heather Beige	100
229604	93-X2-10128-1487-1V	Lindy	100
229690	93-X8-10128-9030-1V	Logo Red	100
229629	93-X2-10128-9030-1V	Logo Red	100
229611	93-X2-10128-1290-1V	Medium Turquoise	100
229615	93-X2-10128-2104-1V	Mulberry	100
229672	93-X8-10128-9012-1V	Ranch Blue	100
229622	93-X2-10128-9012-1V	Ranch Blue	100
229671	93-X8-10128-9011-1V	Shingle Grey	100
229693	93-X8-10128-9033-1V	Smoke Ring	100
229666	93-X8-10128-9006-1V	Taupe	100
229665	93-X8-10128-9005-1V	Toast	100
229696	93-X8-10128-9036-1V	True Brown	100
229624	93-X2-10128-9031-1V	Walden White	100
229602	93-X2-10128-1959-1V	White	100
229902	93-X2-10128-1959-2V	White	1000
229654	93-X8-10128-1959-1V	White	100
229630	93-X2-10128-3209-1V	Winter Wheat	100
229658	93-X8-10128-3209-1V	Winter Wheat	100

DOT® is a registered trademark of Scovill Fasteners, Inc. Durable™ is a trademark of Scovill Fasteners, Inc.



230881

DOT® Durable™ Mariner™

High ultraviolet resistant plastic cap with a super-strong, self-piercing eyelet. Size matches the standard all-brass construction DOT Durable button.

Item #	Style #	Color	Standard Package
230681	93-XV-10150-1X	Black	100
230881	93-XV-10150-2X	Black	1000
230680	93-XV-10150-1V	White	100
230880	93-XV-10150-2V	White	1000

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230784



230783



230781



230728



230702



230728



230740

DOT® Durable™

Durable Fasteners are a medium-sized heavy-duty button type snap fastener. They are used largely by manufacturers of boat covers, porch curtains and industrial curtains. These fasteners are available in nickel or black finish on brass. Sold only in full package lots of 100, 1,000 or 10,000 pieces where indicated. Certain durable fasteners meet Government Specification MS-27980.

Item #	Style #	Description	Finish	For Use With	Hand Tools Part #	Machine Tools Part #	Size	Standard Package
230784	93-X2-10127-1B	Cap	Black Oxide	93-XB-10224-1A (#230705), 93-XB-10224-2A (#230901), 93-XB-10224-1C (#230781), 93-XB-10224-2C (#230896), 93-XB-10224-3A (#230891)	9896/9897 (#248133)	1401 (#223501)	1/4 in. (H)	100
230888	93-X2-10127-2B	Cap	Black Oxide	93-XB-10224-1A (#230705), 93-XB-10224-2A (#230901), 93-XB-10224-1C (#230781), 93-XB-10224-2C (#230896), 93-XB-10224-3A (#230891)	9896/9897 (#248133)	1401 (#223501)	1/4 in. (H)	1000
230780	93-X2-10128-1B	Cap	Black Oxide	93-XB-10224-1A (#230705), 93-XB-10224-2A (#230901), 93-XB-10224-1C (#230781), 93-XB-10224-2C (#230896), 93-XB-10224-3A (#230891)	9896/9897 (#248133)	1401 (#223501)	11/64 in. (H)	100
230898	93-X2-10128-2B	Cap	Black Oxide	93-XB-10224-1A (#230705), 93-XB-10224-2A (#230901), 93-XB-10224-1C (#230781), 93-XB-10224-2C (#230896), 93-XB-10224-3A (#230891)	9896/9897 (#248133)	1401 (#223501)	11/64 in. (H)	1000
230783	93-BS-10412-1C	Post	Black Oxide	93-BS-10370-1A (#230727), 93-BS-10370-2A (#230905), 93-BS-10370-1C (#230782), 93-BS-10370-2C (#230897), 93-BS-10370-3A (#230892)	9896/9897 (#248133)	1407 (#223507)	1/4 in.	100
230895	93-BS-10412-2C	Post	Black Oxide	93-BS-10370-1A (#230727), 93-BS-10370-2A (#230905), 93-BS-10370-1C (#230782), 93-BS-10370-2C (#230897), 93-BS-10370-3A (#230892)	9896/9897 (#248133)	1407 (#223507)	1/4 in. (H)	1000
230781	93-XB-10224-1C	Socket	Black Oxide	93-X2-10127-1A (#230701), 93-X2-10127-2A (#230899), 93-X2-10127-1B (#230784), 93-X2-10127-2B (#230888), 93-X2-10128-1A (#230702), 93-X2-10128-2A (#230899), 93-X2-10128-1B (#230780), 93-X2-10128-2B (#230898), 93-X2-10128-3A (#230890)	164H (#248160)	1410 (#223510)		100

Item #	Style #	Description	Finish	For Use With	Hand Tools Part #	Machine Tools Part #	Size	Standard Package
230896	93-XB-10224-2C	Socket	Black Oxide	93-X2-10127-1A (#230701), 93-X2-10127-2A (#230899), 93-X2-10127-1B (#230784), 93-X2-10127-2B (#230888), 93-X2-10128-1A (#230702), 93-X2-10128-2A (#230899), 93-X2-10128-1B (#230780), 93-X2-10128-2B (#230898), 93-X2-10128-3A (#230890)	164H (#248160)	1410 (#223510)		1000
230787	93-XX-10224-2C	Socket	Black Oxide	93-X2-10127-1A (#230701), 93-X2-10127-2A (#230899), 93-X2-10127-1B (#230784), 93-X2-10127-2B (#230888), 93-X2-10128-1A (#230702), 93-X2-10128-2A (#230899), 93-X2-10128-1B (#230780), 93-X2-10128-2B (#230898), 93-X2-10128-3A (#230890)	164H (#248160)	1410 (#223510)		1000
230782	93-BS-10370-1C	Stud	Black Oxide	93-BS-10413-1A (#230741), 93-BS-10413-2A (#230924)	164H (#248160)	1412 (#223512)		100
230897	93-BS-10370-2C	Stud	Black Oxide	93-BS-10413-1A (#230741), 93-BS-10413-2A (#230924)	164H (#248160)	1412 (#223512)		1000
230863	93-BS-10379-3C	Stud	Black Oxide					10000
230701	93-X2-10127-1A	Cap	Nickel Plated	93-XB-10224-1A (#230705), 93-XB-10224-2A (#230901), 93-XB-10224-1C (#230781), 93-XB-10224-2C (#230896), 93-XB-10224-3A (#230891)	9896/9897 (#248133)	1401 (#223501)	1/4 in. (H)	100
230899	93-X2-10127-2A	Cap	Nickel Plated	93-XB-10224-1A (#230705), 93-XB-10224-2A (#230901), 93-XB-10224-1C (#230781), 93-XB-10224-2C (#230896), 93-XB-10224-3A (#230891)	9896/9897 (#248133)	1401 (#223501)	1/4 in. (H)	1000
230702	93-X2-10128-1A	Cap	Nickel Plated	93-XB-10224-1A (#230705), 93-XB-10224-2A (#230901), 93-XB-10224-1C (#230781), 93-XB-10224-2C (#230896), 93-XB-10224-3A (#230891)	9896/9897 (#248133)	1401 (#223501)	11/64 in. (H)	100
230900	93-X2-10128-2A	Cap	Nickel Plated	93-XB-10224-1A (#230705), 93-XB-10224-2A (#230901), 93-XB-10224-1C (#230781), 93-XB-10224-2C (#230896), 93-XB-10224-3A (#230891)	9896/9897 (#248133)	1401 (#223501)	11/64 in. (H)	1000
230890	93-X2-10128-3A	Cap	Nickel Plated				11/64 in. (H)	10000
230728	93-XB-10342-1A	Gypsy Stud	Nickel Plated	93-XB-10224-1A (#230705), 93-XB-10224-2A (#230901), 93-XB-10224-1C (#230781), 93-XB-10224-2C (#230896), 93-XB-10224-3A (#230891)		9557 (#275580)		100
230935	93-XB-10342-2A	Gypsy Stud	Nickel Plated	93-XB-10224-1A (#230705), 93-XB-10224-2A (#230901), 93-XB-10224-1C (#230781), 93-XB-10224-2C (#230896), 93-XB-10224-3A (#230891)		9557 (#275580)		1000
230740	93-BS-10412-1A	Post	Nickel Plated	93-BS-10370-1A (#230727), 93-BS-10370-2A (#230905), 93-BS-10370-1C (#230782), 93-BS-10370-2C (#230897), 93-BS-10370-3A (#230892)	9896/9897 (#248133)	1407 (#223507)	1/4 in. (H)	100
230912	93-BS-10412-2A	Post	Nickel Plated	93-BS-10370-1A (#230727), 93-BS-10370-2A (#230905), 93-BS-10370-1C (#230782), 93-BS-10370-2C (#230897), 93-BS-10370-3A (#230892)	9896/9897 (#248133)	9936 (#223503)	1/4 in. (H)	1000
230893	93-BS-10412-3A	Post	Nickel Plated				1/4 in. (H)	10000
230741	93-BS-10413-1A	Post	Nickel Plated	93-BS-10370-1A (#230727), 93-BS-10370-2A (#230905), 93-BS-10370-1C (#230782), 93-BS-10370-2C (#230897), 93-BS-10370-3A (#230892)	9896/9897 (#248133)	1407 (#223507)	5/16 in. (H)	100
230924	93-BS-10413-2A	Post	Nickel Plated	93-BS-10370-1A (#230727), 93-BS-10370-2A (#230905), 93-BS-10370-1C (#230782), 93-BS-10370-2C (#230897), 93-BS-10370-3A (#230892)	9896/9897 (#248133)	1407 (#223507)	5/16 in. (H)	1000



Item #	Style #	Description	Finish	For Use With	Hand Tools Part #	Machine Tools Part #	Size	Standard Package
230743	93-BS-10414-1A	Post	Nickel Plated	93-BS-10370-1A (#230727), 93-BS-10370-2A (#230905), 93-BS-10370-1C (#230782), 93-BS-10370-2C (#230897), 93-BS-10370-3A (#230892)	9896/9897 (#248133)	1407 (#223507)	3/8 in. (H)	100
230926	93-BS-10414-2A	Post	Nickel Plated	93-BS-10370-1A (#230727), 93-BS-10370-2A (#230905), 93-BS-10370-1C (#230782), 93-BS-10370-2C (#230897), 93-BS-10370-3A (#230892)	9896/9897 (#248133)	1407 (#223507)	3/8 in. (H)	1000
230737	93-XB-103934-4A	Screw Stud	Nickel Plated		169N (#275504)			100
230921	93-XB-103937-2A	Screw Stud	Nickel Plated		169N (#275504)		5/8 in.	1000
230756	93-XB-103937-4A	Screw Stud	Nickel Plated		169N (#275504)		5/8 in.	100
230749	93-XB-107084-1A	Screw Stud	Nickel Plated		169N (#275504)		3/8 in.	100
230753	93-XB-107087-1A	Screw Stud	Nickel Plated		169N (#275504)		5/8 in.	100
230705	93-XB-10224-1A	Socket	Nickel Plated	93-X2-10127-1A (#230701), 93-X2-10127-2A (#230899), 93-X2-10127-1B (#230784), 93-X2-10127-2B (#230888), 93-X2-10128-1A (#230702), 93-X2-10128-2A (#230899), 93-X2-10128-1B (#230780), 93-X2-10128-2B (#230898), 93-X2-10128-3A (#230890)	164H (#248160)	1410 (#223510)		100
230901	93-XB-10224-2A	Socket	Nickel Plated	93-X2-10127-1A (#230701), 93-X2-10127-2A (#230899), 93-X2-10127-1B (#230784), 93-X2-10127-2B (#230888), 93-X2-10128-1A (#230702), 93-X2-10128-2A (#230899), 93-X2-10128-1B (#230780), 93-X2-10128-2B (#230898), 93-X2-10128-3A (#230890)	164H (#248160)	1410 (#223510)		1000
230891	93-XB-10224-3A	Socket	Nickel Plated					10000
230930	93-XB-10231-2A	Socket	Nickel Plated	93-X2-10127-1A (#230701), 93-X2-10127-2A (#230899), 93-X2-10127-1B (#230784), 93-X2-10127-2B (#230888), 93-X2-10128-1A (#230702), 93-X2-10128-2A (#230899), 93-X2-10128-1B (#230780), 93-X2-10128-2B (#230898), 93-X2-10128-3A (#230890)	164H (#248160)	1410 (#223510)		1000
230706	93-XX-10224-1A	Socket	Nickel Plated	93-X2-10127-1A (#230701), 93-X2-10127-2A (#230899), 93-X2-10127-1B (#230784), 93-X2-10127-2B (#230888), 93-X2-10128-1A (#230702), 93-X2-10128-2A (#230899), 93-X2-10128-1B (#230780), 93-X2-10128-2B (#230898), 93-X2-10128-3A (#230890)	164H (#248160)	1410 (#223510)		100
230917	93-XX-10224-2A	Socket	Nickel Plated	93-X2-10127-1A (#230701), 93-X2-10127-2A (#230899), 93-X2-10127-1B (#230784), 93-X2-10127-2B (#230888), 93-X2-10128-1A (#230702), 93-X2-10128-2A (#230899), 93-X2-10128-1B (#230780), 93-X2-10128-2B (#230898), 93-X2-10128-3A (#230890)	164H (#248160)	1410 (#223510)		1000
230727	93-BS-10370-1A	Stud	Nickel Plated	93-BS-10412-1A (#230740), 93-BS-10412-2A (#230912), 93-BS-10412-1C (#230783), 93-BS-10412-2C (#230895), 93-BS-10412-3A (#230893)	164H (#248160)	1412 (#223512)		100
230905	93-BS-10370-2A	Stud	Nickel Plated	93-BS-10412-1A (#230740), 93-BS-10412-2A (#230912), 93-BS-10412-1C (#230783), 93-BS-10412-2C (#230895), 93-BS-10412-3A (#230893)	164H (#248160)	1412 (#223512)		1000
230892	93-BS-10370-3A	Stud	Nickel Plated					10000

Item #	Style #	Description	Finish	For Use With	Hand Tools Part #	Machine Tools Part #	Size	Standard Package
230916	93-BS-10379-2A	Stud	Nickel Plated					1000
230744	93-BS-10379-4A	Stud	Nickel Plated					100
230918	93-XB-103934-2A	Stud	Nickel Plated		169N (#275504)			1000
230738	93-XX-10388-1A	Windshield Clip	Nickel Plated/ Stainless Steel Clip				3/4 in. x 9/16 in.	100
230909	93-XX-10388-2A	Windshield Clip	Nickel Plated/ Stainless Steel Clip				3/4 in. x 9/16 in.	1000
230745	93-XX-10391-1A	Windshield Clip	Nickel Plated/ Stainless Steel Clip				7/8 in. x 9/16 in.	100
230910	93-XX-10391-2A	Windshield Clip	Nickel Plated/ Stainless Steel Clip				7/8 in. x 9/16 in.	1000
230934	93-X8-103015-2A	Screw Stud	Nickel Plated/ Stainless Steel Screw		169N (#275504)		7/16 in.	1000
230764	93-X8-103015-4A	Screw Stud	Nickel Plated/ Stainless Steel Screw		169N (#275504)		7/16 in.	100
230936	93-X8-103017-2A	Screw Stud	Nickel Plated/ Stainless Steel Screw		169N (#275504)		5/8 in.	1000
230766	93-X8-103017-4A	Screw Stud	Nickel Plated/ Stainless Steel Screw		169N (#275504)		5/8 in.	100
230938	93-X8-103025-2A	Screw Stud	Nickel Plated/ Stainless Steel Screw		169N (#275504)		7/16 in.	1000
230768	93-X8-103025-4A	Screw Stud	Nickel Plated/ Stainless Steel Screw		169N (#275504)		7/16 in.	100
230939	93-X8-103027-2A	Screw Stud	Nickel Plated/ Stainless Steel Screw		169N (#275504)		5/8 in.	1000
230769	93-X8-103027-4A	Screw Stud	Nickel Plated/ Stainless Steel Screw		169N (#275504)		5/8 in.	100
230911	93-X8-103934-2A	Screw Stud	Nickel Plated/ Stainless Steel Screw		169N (#275504)		3/8 in.	1000
230739	93-X8-103934-4A	Screw Stud	Nickel Plated/ Stainless Steel Screw		169N (#275504)		3/8 in.	100
230923	93-X8-103937-2A	Screw Stud	Nickel Plated/ Stainless Steel Screw		169N (#275504)		5/8 in.	1000
230758	93-X8-103937-4A	Screw Stud	Nickel Plated/ Stainless Steel Screw		169N (#275504)		5/8 in.	100
230760	93-X8-103938-1A	Screw Stud	Nickel Plated/ Stainless Steel Screw	93-XB-10224-1A (#230705), 93-XB-10224-2A (#230901), 93-XB-10224-1C (#230781), 93-XB-10224-2C (#230896), 93-XX-10224-2C (#230787), 93-XX-10224-1A (#230706), 93-XX-10224-2A (#230917), 93-XB-10224-3A (#230891)	169N (#275504)		1 in.	100
230931	93-X8-103938-2A	Screw Stud	Nickel Plated/ Stainless Steel Screw		169N (#275504)		1 in.	1000

Item #	Style #	Description	Finish	For Use With	Hand Tools Part #	Machine Tools Part #	Size	Standard Package
231117	93-X8-107044-1A	Screw Stud	Nickel Plated/ Stainless Steel Screw					100
230850	93-X8-109344-2A	Screw Stud	Nickel Plated/ Stainless Steel Screw				3/8 in.	1000
230723	93-X8-109344-4A	Screw Stud	Nickel Plated/ Stainless Steel Screw				3/8 in.	100
230851	93-X8-109347-2A	Screw Stud	Nickel Plated/ Stainless Steel Screw				5/8 in.	1000
230765	93-X8-109347-4A	Screw Stud	Nickel Plated/ Stainless Steel Screw				5/8 in.	100
230913	93-XX-103624-2A	Screw Stud	Nickel Plated/ Steel Screw		169N (#275504)		3/8 in.	1000
230713	93-XX-103624-4A	Screw Stud	Nickel Plated/ Steel Screw		169N (#275504)		3/8 in.	100
230922	93-XX-103627-2A	Screw Stud	Nickel Plated/ Steel Screw		169N (#275504)		5/8 in.	1000
230715	93-XX-103627-4A	Screw Stud	Nickel Plated/ Steel Screw		169N (#275504)		5/8 in.	100
230501	93-XN-10135-1U	Snap Cap / Open Top Button / Pilot Hole Cap	Stainless Steel					100

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231008



230667



230657

DOT® Durable™ Stainless

Item #	Style #	Description	Material	Size	Standard Package
231008	93-XN-10616-2U	Buckle	Stainless Steel		1000
230670	93-XN-10127-1U	Cap	Stainless Steel		100
231000	93-XN-10127-2U	Cap	Stainless Steel		1000
230974	93-XN-10128-2U	Cap	Stainless Steel		1000
230664	93-XN-10128-4U	Cap	Stainless Steel		100
230676	93-ZN-10127-1U	Cap	Stainless Steel	1/4 in. (H)	100
230677	93-ZN-10127-2U	Cap	Stainless Steel	1/4 in. (H)	1000
230665	93-ZN-10128-1U	Cap	Stainless Steel		100
230692	93-ZS-10413-1U	Cap	Stainless Steel	5/16 in. (H)	100
230667	93-NS-10412-1U	Post	Stainless Steel		100
230977	93-NS-10412-2U	Post	Stainless Steel		1000
230687	93-ZS-10412-1U	Post	Stainless Steel	1/4 in. (H)	100
230690	93-ZS-10412-2U	Post	Stainless Steel	1/4 in. (H)	1000
230659	93-XN-103934-1U	Screw Stud	Stainless Steel	3/8 in.	100
230970	93-XN-103934-2U	Screw Stud	Stainless Steel	3/8 in.	1000
230661	93-XN-103937-1U	Screw Stud	Stainless Steel	5/8 in.	100
230971	93-XN-103937-2U	Screw Stud	Stainless Steel	5/8 in.	1000
230969	93-XN-10224-2U	Socket	Stainless Steel		1000
230657	93-XN-10224-4U	Socket	Stainless Steel		100
230972	93-ZN-10224-1U	Socket	Stainless Steel		100

Item #	Style #	Description	Material	Size	Standard Package
230973	93-ZN-10224-2U	Socket	Stainless Steel		1000
230666	93-NS-10370-1U	Stud	Stainless Steel		100
230976	93-NS-10370-2U	Stud	Stainless Steel		1000
230983	93-ZS-10370-1U	Stud	Stainless Steel		100
230984	93-ZS-10370-2U	Stud	Stainless Steel		1000

DOT® is a registered trademark of Scovill Fasteners, Inc. Durable™ is a trademark of Scovill Fasteners, Inc.



231085

## Fasnap® Rib Tree Bolster Fasteners

This 3/4 inch panel fastener with ribbed shank assures easy installation and secure hold. One ribbed end is pushed into primary panel to retain clip. Second panel is pushed down onto projecting ribbed end to complete the assembly.

Item #	Description	Standard Package
231085	3/4 in. double end clip with inner stop 1/2 in. x 7/8 in.	100

FASNAP® is a registered trademark of The FASNAP Corporation.

## Fasnap® Fasteners

High rust and corrosion resistant button, normal action socket, stud, and eyelet. The button and eyelet are, in many instances, able to self-pierce through multiple layers of fabric. All four components are interchangeable with nickel-plated brass screw studs or other snap fasteners and tools, eliminating special die requirements.

231026



231027



231096



230671

Item #	Style #	Description	Finish	Standard Package	Type
231026	BN4647AR	Cap	Nickel Plated	1000	
231027	BN4647B	Socket	Nickel Plated	1000	
231096	BHST705916	Screw Stud	Nickel/Brass Stud, Stainless Steel Screw	100	1/2 in. #8 Hardened TEK® Screw
230671	BNCT705916	Screw Stud	Nickel/Brass Stud, Stainless Steel Screw	100	1/2 in. #8 TEK® Screw
230688	SSC4650AR	Button	Stainless Steel	100	
230960	SS4650AR	Cap	Stainless Steel	1000	
230767	BNSC705921	Oversized Screw Stud	Stainless Steel	100	5/8 in. #10 Screw
230968	SC4647D/SS4647D	Post	Stainless Steel	1000	
230696	SSC4647D	Post	Stainless Steel	100	
230691	SSC4650B	Socket	Stainless Steel	100	
230963	SSC4650B/SS4650B	Socket	Stainless Steel	1000	
230694	SSC4650C	Stud	Stainless Steel	100	
230966	SSC4650C/SS4650C	Stud	Stainless Steel	1000	

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230960



230696



230691



230694





DOT® Lift-The-Dot®

Featured below are styles available, complete with parts indicated. Sold only in full package lots of 100 pieces or 1000 pieces. Lift-The-Dot Fasteners are available in nickel or black oxide finish. Certain Lift-The-Dot fasteners meet Government Specification MS-27977. Strong and heavy duty, Lift-The-Dot fasteners lock on three sides and are opened by lifting the fourth side where the Dot and the Lift-The-Dot trademark appear.

Item #	Style #	Description	Finish	For Use On	For Use With	Hand Tools Part #	Height	Machine Tools Part #	Size	Standard Package
230956	90-PS-16510-29	Clear Washer		Canvas	90-XX-16205-1A (#230601), 90-XX-16205-2A (#230940), 90-XX-16205-1B (#230649), 90-XX-16205-2B (#230978), 90-BS-16506-1A (#230637), 90-BS-16506-2A (#230647), 90-BS-16506-2C (#230979)					1000
230656	90-PS-16510-49	Clear Washer		Canvas	90-XX-16205-1A (#230601), 90-XX-16205-2A (#230940), 90-XX-16205-1B (#230649), 90-XX-16205-2B (#230978), 90-BS-16506-1A (#230637), 90-BS-16506-2A (#230647), 90-BS-16506-2C (#230979)					100
230979	90-BS-16506-2C	Back Plate	Black Oxide	Canvas	90-XX-16205-1A (#230601), 90-XX-16205-2A (#230940), 90-XX-16205-1B (#230649), 90-XX-16205-2B (#230978), 90-XX-16206-1A (#230602), 90-XX-16206-2A (#230647), 90-XX-16206-2B (#230654)			1455 (#223555)		1000
230649	90-XX-16205-1B	Socket	Black Oxide	Canvas	90-BS-16506-1A (#230637), 90-BS-16506-2A (#230951), 90-BS-16506-2C (#230979), 90-PS-16510-19 (#230656), 90-PS-16510-29 (#230956)					100
230978	90-XX-16205-2B	Socket	Black Oxide	Canvas	90-BS-16506-1A (#230637), 90-BS-16506-2A (#230951), 90-BS-16506-2C (#230979), 90-PS-16510-19 (#230656), 90-PS-16510-29 (#230956)					1000
230654	90-XX-16206-2B	Socket	Black Oxide							1000
230651	90-XB-16358-2B	Stud	Black Oxide	Canvas	90-BS-16509-1A (#230638), 90-BS-16509-2A (#230952), 90-BS-16509-2C (#230652)			1456 (#223556)		1000
230652	90-BS-16509-2C	Washer	Black Oxide	Canvas	90-XB-16358-1A (#230610), 90-XB-16358-2A (#230944), 90-XB-16358-2B (#230651)					1000
230637	90-BS-16506-1A	Back Plate	Nickel Plated	Canvas	90-XX-16205-1A (#230601), 90-XX-16205-2A (#230940), 90-XX-16205-1B (#230649), 90-XX-16205-2B (#230978), 90-XX-16206-1A (#230602), 90-XX-16206-2A (#230647), 90-XX-16206-2B (#230654)					100

Item #	Style #	Description	Finish	For Use On	For Use With	Hand Tools Part #	Height	Machine Tools Part #	Size	Standard Package
230951	90-BS-16506-2A	Back Plate	Nickel Plated	Canvas	90-XX-16205-1A (#230601), 90-XX-16205-2A (#230940), 90-XX-16205-1B (#230649), 90-XX-16205-2B (#230978), 90-XX-16206-1A (#230602), 90-XX-16206-2A (#230647), 90-XX-16206-2B (#230654)	9940 (#275573)		1455 (#223555)		1000
230602	90-XX-16206-1A	Socket Long Prong	Nickel Plated	Canvas	90-BS-16506-1A (#230637), 90-BS-16506-2A (#230951), 90-BS-16506-2C (#230979), 90-PS-16510-19 (#230656), 90-PS-16510-29 (#230956)		0.275"			100
230601	90-XX-16205-1A	Socket Short Prong	Nickel Plated	Canvas	90-BS-16506-1A (#230637), 90-BS-16506-2A (#230951), 90-BS-16506-2C (#230979), 90-PS-16510-19 (#230656), 90-PS-16510-29 (#230956)					100
230940	90-XX-16205-2A	Socket	Nickel Plated	Canvas	90-BS-16506-1A (#230637), 90-BS-16506-2A (#230951), 90-BS-16506-2C (#230979), 90-PS-16510-19 (#230656), 90-PS-16510-29 (#230956)					1000
230647	90-XX-16206-2A	Socket	Nickel Plated	Canvas	90-BS-16506-1A (#230637), 90-BS-16506-2A (#230951), 90-BS-16506-2C (#230979), 90-PS-16510-19 (#230656), 90-PS-16510-29 (#230956)					1000
230608	90-BS-16349-1A	Stud	Nickel Plated	Canvas	90-BS-16501-1A (#230636)	171 (#275575)				100
230610	90-XB-16358-1A	Stud	Nickel Plated	Canvas	90-BS-16509-1A (#230638), 90-BS-16509-2A (#230952), 90-BS-16509-2C (#230652)	9940 (#275573)				100
230944	90-XB-16358-2A	Stud	Nickel Plated	Canvas	90-BS-16509-1A (#230638), 90-BS-16509-2A (#230952), 90-BS-16509-2C (#230652)	9940 (#275573)				1000
231120	90-XB-16368-1A	Stud	Nickel Plated	Canvas, Metal, Plastic	90-XX-16205-1A (#230601), 90-XX-16205-2A (#230940), 90-XX-16205-1B (#230649), 90-XX-16205-2B (#230978), 90-XX-16206-1A (#230602), 90-XX-16206-2A (#230647), 90-XX-16206-2B (#230654)	9940 (#275573)				100
230636	90-BS-16501-1A	Washer	Nickel Plated	Canvas	90-BS-16349-1A (#230608)			8042 (#275480)		100
230638	90-BS-16509-1A	Washer	Nickel Plated	Canvas	90-XB-16358-1A (#230610), 90-XB-16358-2A (#230944), 90-XB-16358-2B (#230651)					100
230952	90-BS-16509-2A	Washer	Nickel Plated	Canvas	90-XB-16358-1A (#230610), 90-XB-16358-2A (#230944), 90-XB-16358-2B (#230651)					1000
230618	90-XB-163624-1A	Screw Stud	Nickel Plated/Brass Screw	Metal		169B (#275502)			3/8 in.	100
230630	90-X8-16376-1A	Windshield Clip 3/4 in.	Nickel Plated/Stainless Steel Clip						3/4 in.	100
230633	90-X8-16377-1A	Windshield Clip 7/8 in.	Nickel Plated/Stainless Steel Clip						7/8 in.	100
230624	90-X8-163604-4A	Screw Stud	Nickel Plated/Stainless Steel Screw	Wood		169B (#275502)			3/8 in.	100

Item #	Style #	Description	Finish	For Use On	For Use With	Hand Tools Part #	Height	Machine Tools Part #	Size	Standard Package
230955	90-X8-163606-2A	Screw Stud	Nickel Plated/ Stainless Steel Screw	Wood, Metal, Plastic		169B (#275502)			1/2 in.	1000
230620	90-X8-163606-4A	Screw Stud	Nickel Plated/ Stainless Steel Screw	Wood, Metal, Plastic		169B (#275502)			1/2 in.	100
231125	90-X8-163607-1A	Screw Stud	Nickel Plated/ Stainless Steel Screw	Metal, Plastic		169B (#275502)			5/8 in.	100

DOT® and Lift-The-Dot® are registered trademarks of Scovill Fasteners, Inc.

DOT® Pull-The-Dot®



230800

The Pull-The-Dot Fastener is a side-locking snap fastener, similar to the Durable™ Glove-style fastener, except for its “built-in” locking feature. This fastener will withstand extreme pressure on three sides without unlocking, yet will release instantly on the fourth side if one “pulls the dot” embossed on one side of the button. Pull-The-Dots have no sharp edges or protrusions to tear or mar the fabric to be fastened.

Since the socket opens only on one side, care must be taken that the button and socket are set so that the fastener can be opened at the desired position.



230801



230802

Item #	Style #	Description	Finish	Standard Package
230819	92-XE-18100-A2B	Cap	Black Oxide	1000
230842	92-XX-18201-2C	Socket	Black Oxide	1000
230799	92-BS-18303-2C	Stud	Black Oxide	1000
230803	92-X8-183074-1A	Stud	Nickel Plated, Stainless Steel Screw	100
230823	92-X8-183074-2A	Stud	Nickel Plated, Stainless Steel Screw	1000
230820	92-XE-18100-A2A	Cap	Nickel	1000
230800	92-XE-18100-A4A	Cap	Nickel	100
230821	92-XX-18201-2A	Socket	Nickel	1000
230801	92-XX-18201-4A	Socket	Nickel	100
230822	92-BS-18303-2A	Stud	Nickel	1000
230802	92-BS-18303-4A	Stud	Nickel	100

DOT® and Pull-The-Dot® are registered trademarks of Scovill Fasteners, Inc. Durable™ is a trademark of Scovill Fasteners, Inc.

Q-Snap® Fasteners



231161



231156

The patented Q-Snap system is similar to the standard press-fastener, with the exception of two additional parts: a ring underneath the cloth and a hook on the deck. This combination turns the fastener into a secured connection that won’t pop loose, while incorporating a stretch-function that acts as a lever. The result allows you to easily overcome the cloth tension as you fit the fastener.

Installation is like a normal press fastener, but with special tools that make it faster than other secured fasteners. There are no extra parts, thanks to smart pre-assembly.

Resistant to seawater, Q-Snap is made from high quality 316 stainless steel. The special ring spring in the socket is dimensionally stable and even more resistant to corrosion than 316 stainless steel. A thin rubber layer isolates the Q-stud to prevent tension corrosion. Above all, it is the only secured fastener without moving parts, making it very durable and robust.

Developed for covers and sprayhoods on boats, Q-Snap is an ideal solution for any application that requires textiles to be tight and secure.

Starter Kit includes: 50 Q-Caps, 50 Q-Sockets, 25 Q-Studs (including screw), 25 Q-Studs, 25 screws, 25 M4 bolts, 25 self-drilling screws, 25 eyelets, 5 blind rivets, Q-Stud holder, Q-Stud marker, 5 Q-Installation pins, 5 Q-Stud covers, hand punch set, 25 ringlets and 25 plugs.

DIY Pack includes: 10 polished Q-Caps, 10 Q-Sockets, Q-Studs with screws and hand punch tool.



231147



231164



231163



231160

Item #	Style #	Description	Color	Material	Standard Package
231161	150000-10	DIY Pack			1
231155	141300-100	Fixing Blind Rivet		Stainless Steel Type 304	100
231156	140500-100	Fixing Eyelet		Stainless Steel Type 316	100
231153	140200-100	Fixing M4 Bolt		Stainless Steel Type 316	100
231154	141400-100	Fixing Self-Drilling Screw		Stainless Steel Type 304	100
231152	140100-100	Fixing Tapping Screw		Stainless Steel Type 316	100
231148	110100-100	Q-Cap Long Shaft 6.2mm	Polished	Stainless Steel Type 316	100
231142	110002-100	Q-Cap Normal Shaft 4mm	Black Matte	Stainless Steel Type 316	100
231141	110001-100	Q-Cap Normal Shaft 4mm	Black	Stainless Steel Type 316	100
231147	110007-100	Q-Cap Normal Shaft 4mm	Bordeaux Red	Stainless Steel Type 316	100
231144	110004-100	Q-Cap Normal Shaft 4mm	Grey	Stainless Steel Type 316	100
231145	110005-100	Q-Cap Normal Shaft 4mm	Khaki	Stainless Steel Type 316	100
231146	110006-100	Q-Cap Normal Shaft 4mm	Navy Blue	Stainless Steel Type 316	100
231143	110003-100	Q-Cap Normal Shaft 4mm	Pearl White	Stainless Steel Type 316	100
231140	110000-100	Q-Cap Normal Shaft 4mm	Polished	Stainless Steel Type 316	100
231164	190400-10	Q-Installation Pin			10
231165	190400-25	Q-Installation Pin			25
231149	120000-100	Q-Socket Integrated Socket and Ring		Stainless Steel Type 316	100
231166	190100-10	Q-Stud Cover	Grey		10
231167	190101-10	Q-Stud Cover	Off-White		10
231162	190200-1	Q-Stud Holder			1
231163	190300-1	Q-Stud Marker			1
231151	130100-100	Q-Stud with Tapping Screw		Stainless Steel Type 316	100
231150	130000-100	Q-Stud		Stainless Steel Type 316	100
231160	150000-1	Starter Kit			1

Q-Snap® is a registered trademark of Partnership Twello B.V.

## Snapfast® System

The Snapfast fastening system offers an alternative to traditional all- metal directional fasteners. This non-corrosive directional fastening system has no moving parts and unlocks from one direction only. The sockets and studs are manufactured from heavy-duty polyacetal with a UV stabilizer. Snapfast's stainless steel pronged cap self-pierces most industrial fabrics and installs easily using hand tools.



231016



231014



231015

Item #	Style #	Description	Color	Material	Standard Package
231045	SNPFSTLA	Long Pronged Cap		Stainless Steel	100
231016	SNPFSTA	Pronged Cap		Stainless Steel	100
231014	SNPTSTB	Socket	Black	Polyacetal	100
231046	SNPFSTBW	Socket	White	Polyacetal	100
231015	SNPFSTC	Stud	Black	Polyacetal	100
231047	SNPFSTCW	Stud	White	Polyacetal	100

Snapfast® is a registered trademark of The FASNAP Corporation.





289264



289281



289284



289270

## Stayput™ Fasteners

“Stayput” for a secure and corrosion free fastening solution. Stayput canvas fasteners have no springs to corrode or jam. They are manufactured from UV stabilized nylon and acetyl compounds. Originally designed for the marine market, are now used extensively in all areas of fabric fastening.

Item #	Style #	Description	Color	Standard Package
289264	87B	Attach Knob	Black	100
289265	86W	Attach Knob	White	100
289276	40W	Canvas to Canvas Double	White	100
289266	37B	Horizontal Single	Black	100
289268	37W	Horizontal Single	White	100
289281	50B	Tent Wall Hook	Black	100
289280	50W	Tent Wall Hook	White	100
289262	48B	Tent Wall J-Hook	Black	100
289263	48W	Tent Wall J-Hook	White	100
289293	71B	Ultimate Clip Back	Black	100
289292	71W	Ultimate Clip Back	White	100
289284	70B	Ultimate Shock Cord Clip	Black	100
289283	70W	Ultimate Shock Cord Clip	White	100
289270	34B	Vertical Single	Black	100
289272	34W	Vertical Single	White	100

Stayput™ is a trademark of Stayput Fasteners.



231065



231077

## YKK® SNAD® Pressure Sensitive Fasteners

The YKK® SNAD® fastener is a durable, innovative snap fastener that attaches to various substrates and surfaces using a sophisticated and proven adhesive. This eliminates having to drill holes in surfaces to mount the fastener.

Item #	Style #	Description	Color	Diameter	Size	Standard Package
231071	PG1-0000-A01	Domed Socket	Black	1-9/16 in.	40 mm	100
231068	PG1-0000-839	Domed Socket	White	1-9/16 in.	40 mm	100
231108	QW9-0000-A01	Domed Stud	Black	1 in.	25 mm	100
231065	PG3-0000-A01	Domed Stud	Black	1-9/16 in.	40 mm	100
231069	PG3-0000-839	Domed Stud	White	1-9/16 in.	40 mm	100
231107	QW9-0000-839	Domed Stud	White	1 in.	25 mm	100
231078	TR5-0000-TVO	Flexible Base Socket	Clear	1 in.	25 mm	100
231077	QL7-0000-QK1	Flexible Base Stud	Black	1 in.	25 mm	100
231079	TT5-0000-TVO	Flexible Base Stud	Clear	1-9/16 in.	40 mm	100
231076	TP9-0000-TVO	Flexible Base Stud	Clear	1 in.	25 mm	100
231075	QL7-0000-PX7	Flexible Base Stud	Gray	1 in.	25 mm	100
231073	QL7-0000-QP3	Flexible Base Stud	White	1 in.	25 mm	100

YKK® and SNAD® are registered trademarks of YKK Corporation in Japan and other countries/regions.



### T Nut Fastener

Item #	Style #	Finish	Material	Size	Standard Package
230980	ST29-444		Stainless Steel	1/4-20	1000
231087	T29-444	Zinc Plated	Steel	1/4-20	1000



### Suction Cup

A solution to your “no hardware” needs, this giant suction cup has 60 pounds of holding power. Secures to any smooth surface. Ideal for “rack storage” boat covers.

Item #	Style #	Cord Size	Size	Standard Package	Stretch Size
251997	CT6	6 in.	3-1/2 in.	1	11 in.



### Boat Top Fittings – Aluminum – Boat Cover Socket

Cast aluminum alloy. Ideal to keep boat covers from sagging. Use with Fiberglass Bow Slats to support boat cover. Two screw holes drilled for No. 8 screw.

Item #	Style #	Size	Standard Package
287820	440-22	5/8 in. height, 1-7/8 in. x 1/2 in opening, 3-1/2 in. x 7/8 in. base	10



### Boat Top Fittings – Aluminum – Insert Eye End

When inserted, flange of Eye End is flush with outside of tubing. Must be secured by means of crimping tool or rivet. For use with Deck Mounting and Angle Hinges.

Item #	Style #	For	Standard Package
282146	4434-12	3/4 in. OD tube, 5/8 in. ID tube	10
282149	4436-16	7/8 in. OD tube, 3/4 in. ID tube	10



### Boat Top Fittings – Aluminum – Slip Fit Eye End

With stainless steel set screw.

Item #	Style #	For	Standard Package
282142	422-3S	3/8 in. pipe	10
281105	424-4S	1/2 in. pipe, 7/8 in. OD tube	10
281104	424-4S	1/2 in. pipe, 7/8 in. OD tube	10
282143	433-7S	3/4 in. OD tube	10
282150	438-10S	1 in. OD tube	10

281104 - With square head set screw.





284047

### Boat Top Fittings – Aluminum – Deck Mounting Hinge

Item #	Style #	Projection	Standard Package
284047	477-2A	3/4 in.	10
284049	478-523	1-1/8 in.	10



284049



284050

### Boat Top Fittings – Aluminum – Pontoon Deck Hinge

90° aluminum deck hinge designed for use on pontoon boats with 1 inch square aluminum tubing. Made from 6063-T6 extruded aluminum with satin anodization for uniform finish. Requires a 1/4 inch diameter pull pin.

Item #	Style #	Standard Package
284050	BH76	10



287688

### Boat Top Fittings – Aluminum – Jaw Slide

Equipped with stainless set screw and round head machine screw.



287650

Item #	Style #	For	Standard Package
287688	458-5042	1/2 in. pipe, 7/8 in. OD tube	10
287650	468-70J	1 in. OD tube	10



287647

### Boat Top Fittings – Aluminum – Pontoon Jaw Slide

Designed for use on pontoon boats with 1 inch square aluminum tubing. Made from 6063T6 extruded aluminum with satin anodization for uniform finish. A 1/4 – 20 x 5/16 inch stainless steel socket set screw, a 1/4 – 20 stainless steel hex head shoulder bolt and a Nylok® hex nut are included.

Item #	Style #	For	Standard Package
287647	BH74	1 in. square tube	10



287640

### Boat Top Fittings – Aluminum – Pontoon H Bracket

Designed for use on pontoon boats with 1-1/4 inch square aluminum tubing. Includes bolt and nut.

Item #	Style #	Description	For	Standard Package
287640	34440078	Standard Thin Wall	1-1/4 in. square tube	10
287642	34440077	Tall	1-1/4 in. square tube	10



239960

### Boat Top Fittings – Aluminum – Tower Clamp

These Tower Clamps with knobs are designed for use with eye ends to attach Bimini frame hardware to a tower on large cruisers and sport fishing vessels.

Item #	Style #	Size	Standard Package
239959	200960	1-1/2 in.	10
239960	200980	2-1/8 in.	10
239961	200999	2-3/8 in.	10

Nylok® is a registered trademark of Nylok, LLC.

## Tubing – Marine – Aluminum

This bright dip anodized, drawn aluminum tubing is ideal. Ordering less than full carton is not recommended.

Item #	Style #	Description	Length	Outside Diameter	Standard Package	Wall	Weight	Weight Per Carton	Weight Per Foot
275720		Round	20 ft.	3/4 in.	54	0.058 in.		160 lbs.	0.0148 lbs.
275704		Round	20 ft.	7/8 in.	1 piece	0.058 in.	3.5 lbs.		
275714		Round	24 ft.	7/8 in.	432	0.058 in.		70 lbs.	0.1750 lbs.
275706		Round	24 ft.	7/8 in.	1 piece	0.058 in.	4.2 lbs.		
275712		Round	20 ft.	7/8 in.	360	0.058 in.		70 lbs.	0.1750 lbs.
275711		Round	20 ft.	7/8 in.	360	0.065 in.		84 lbs.	0.2100 lbs.
275719	6111-18	Round	24 ft.	7/8 in.	432	0.065 in.		92 lbs.	0.2100 lbs.
275701		Round	20 ft.	7/8 in.	1 piece	0.065 in.	4 lbs.		
275713		Round	20 ft.	7/8 in.	360	0.095 in.		110 lbs.	0.2750 lbs.
275705		Round	20 ft.	7/8 in.	1 piece	0.095 in.	5.5 lbs.		
275718	6154	Square	24 ft.	1 in.	24	0.062 in.		178 lbs.	0.2650 lbs.



205381

## Bimini Bow Frames

Bow Bimini top kit (minus fabric). Comes in ready-to-assemble kit form. Packaged one boat set per box with hardware. Made with 7/8 in. outside diameter by 0.058 wall 6063, T832 hard drawn marine aluminum tubing with a brite anodized finish and joined together with inside sleeves. The fittings are chrome die-cast. The radius of the bends is 6 in. inside diameter.

Item #	Style #	Description	Material	Standard Package
205381	4850D	2 Bow Frame	Aluminum	1
205382	4851D	3 Bow Frame	Aluminum	1

## Bow Slats – Fiberglass

These fiberglass bow slats have a slightly rounded edge, which reduces splinters and prevents damage to fabricated products like boat covers.

Item #	Color	Length	Standard Package
266361	Natural	6 ft.	10
266362	Natural	6-1/2 ft.	10
266363	Natural	7 ft.	10
266364	Natural	8 ft.	10
266365	Natural	10 ft.	10



286199

## Boat Top Fittings – Chrome-Plated Zinc Die-Cast – Coaming Side Plate

For use on side of boat when regular hinge cannot be mounted on deck. Furnished with 1/4 inch – 28 x 3/4 inch stainless steel hinge bolt.

Item #	Style #	Standard Package
286199	898-1839	10





282186

Boat Top Fittings –  
Chrome-Plated Zinc Die-  
Cast – Insert Eye End

When inserted, flange of eye end is flush with outside of tubing. Must be secured by means of crimping tool or rivet. For use with Deck Mounting and Angle Hinges.

Item #	Style #	For	Standard Package
282185	1385	3/4 in. OD tube x 0.049 wall	10
282186	1836	7/8 in. OD tube x 0.049 wall	10



282177

Boat Top Fittings –  
Chrome-Plated Zinc Die-  
Cast – Slip-Fit Eye End

With stainless steel set screw.

Item #	Style #	For	Standard Package
282177	824 HD	7/8 in. OD tube	10
282184	824-1843	7/8 in. OD tube	10
282183	833A-1842	3/4 in. OD tube	10



282183



287890

Boat Top Fittings –  
Chrome-Plated Zinc Die-  
Cast – Eye Strap

Item #	Style #	Standard Package
287890	8816	10



284088

Boat Top Fittings –  
Chrome-Plated Zinc Die-  
Cast – Angle Hinge

10° angle, with stainless steel screw.

Item #	Style #	Projection	Standard Package
284088	887-1841	1 in.	10



284054

Boat Top Fittings –  
Chrome-Plated Zinc Die-  
Cast – Deck Hinge

Item #	Style #	Description	Standard Package
284054	N1846	Angle Deck Hinge – 5° with Quick Release	10



284084

Boat Top Fittings –  
Chrome-Plated Zinc Die-  
Cast – Deck Mounting  
Hinge

Furnished with stainless steel machine screw.



284087

Item #	Style #	Projection	Standard Package
284084	878 HD	1-1/16 in.	10
284087	877	1-1/16 in.	10



287687

Boat Top Fittings –  
Chrome-Plated Zinc Die-  
Cast – Jaw Slide

Equipped with stainless steel set screw and machine screw.



287691

Item #	Style #	For	Standard Package
287686	865	3/4 in. OD tube	10
287687	856-1838	7/8 in. OD tube	10
287691	856 HD	7/8 in. OD tube	10
287881	86004	7/8 in. OD tube	10



287881



287839

## Boat Top Fittings – Chrome-Plated Zinc Die-Cast – Boat Cover Socket

Ideal to keep boat covers from sagging. Use with Trivantage® Fiberglass Bow Slats to support boat cover. Two screw holes drilled for No. 8 screw.

Item #	Style #	Size	Standard Package
287840	740-CR180	3/8 in. height, 1-3/4 in. x 3/8 in. opening, 3-3/8 in. x 3/4 in. base	10
287839	840	1/2 in. height, 1-3/4 in. x 3/8 in. opening, 3-3/8 in. x 7/8 in. base	10

Trivantage® is a registered trademark of Glen Raven, Inc.



249205

## Leather Pearl Splits

A sturdy leather fabric that is ideal for marine applications that require extra reinforcement such as cut-outs, patches, etc.

Item #	Standard Package	Weight
249205	12	~4 oz.



207608

## Boat Top Fittings – Nickel-Plated Brass – Adjuster Buckle

Single bar buckle to adjust strap.

Item #	Style #	Standard Package	Webbing Size
207608	100	100	1 in.



287872

## Boat Top Fittings – Nickel-Plated Brass – Eye Strap

Style No. 2816 Eye Strap is for fastening No. 142-A Snap Hook to deck. Style No. 2916 Eye Strap is for fastening No. 249-0 Snap Hook to deck.

Item #	Style #	Material	Standard Package
287870	2816	Nickel Plated Brass	10
287872	2916	Nickel Plated Brass	10



266682

## Boat Top Fittings – Nickel-Plated Brass – Solid Eye Snap Hook

Item #	Style #	Description	Length	Material	Standard Package	Webbing Size
266682	249B-0		2-1/8 in.		10	
266684	248B-0	Square Eye		Nickel Plated Brass	10	1 in.

266682 - For use with 2916 Eye Strap.



266684

## Boat Top Fittings – Nylon – Bimini Top Ladder Clip

Item #	Style #	Color	Size	Standard Package
289599	4330	Black	1 in.	10
289639	4330	Black	7/8 in.	10
289640	4330W	White	1 in.	10
289598	4330W	White	7/8 in.	10



289639



289607

## Boat Top Fittings – Nylon – Rigid Support Clip

Item #	Style #	Color	Size	Standard Package
289607	21463	Black	7/8 in.	10



289608

## Boat Top Fittings – Nylon – Vadney Clip

Used for putting screw studs on a windshield of a boat.

Item #	Style #	Color	Standard Package
289608	1178120	Black	1



289201

## Boat Top Fittings – Nylon – Eye End

Item #	Style #	Color	For	Standard Package
289201	7402	White	3/4 in. OD tube	10
289202	7416	White	3/4 in. OD tube	10
289203	7417	White	7/8 in. OD tube	10
289204	7419	White	7/8 in. OD tube	10
289251	7402	Black	3/4 in. OD tube	10
289252	7416	Black	3/4 in. OD tube	10
289253	7417	Black	7/8 in. OD tube	10
289254	7419	Black	7/8 in. OD tube	10
289255	7419	Natural	7/8 in. OD tube	10



289202



289592

## Boat Top Fittings – Nylon – Eye Strap

Item #	Style #	Color	Standard Package
289591	7407	White	10
289592	7407	Black	10



289091

## Boat Top Fittings – Nylon – Wedge

Converts 90° deck hinges to angle hinges. Install between deck hinge and deck.

Item #	Style #	Description	Color	Standard Package
289088	401-3SB	Base Angle Oval Poly-wedge – 10°	Black	10
289092	401-3SN	Base Angle Oval Poly-wedge – 10°	Natural	10
289091	7530B	Base Angle Rectangular Wedge – 9°	Black	10
289090	7530N	Base Angle Rectangular Wedge – 9°	Natural	10



289097

## Boat Top Fittings – Nylon – Curved Shim

Item #	Style #	Color	Standard Package
289097	401-S-2.36B	Black	10
289098	401-S-2.36	Silver	10



289430

## Boat Top Fittings – Nylon – Hinge

Item #	Style #	Description	Color	Size	Standard Package
289342	7443B	Concave Hinge Rail	Black	7/8 in.	10
289430	7424P	Knurl Screw	Black	1/4 in. - 20 x 7/8 in.	10
289352	7405	Large Deck Hinge	Black		10
289302	7405	Large Deck Hinge	White		10
289351	7401	Small Deck Hinge	Black		10



289454



289458

### Boat Top Fittings – Nylon – Jaw Slide

Item #	Style #	Color	For	Standard Package
289451	7406	White	3/4 in. OD Tubing	10
289452	7418	White	7/8 in. OD Tubing	10
289453	7406	Black	3/4 in. OD Tubing	10
289454	7418B	Black	7/8 in. OD Tubing	10
289458	7515	Black	1 in. Square Tubing	10



289362

### Boat Top Fittings – Nylon – Lashing Hook

Item #	Style #	Color	Standard Package
289360	7420	White	10
289362	7420	Black	10
289394	7460B	Black	10



289460

### Boat Top Fittings – Nylon – Double Wing Windshield Latch

Item #	Style #	Color	Standard Package
289460	7222B	Black	10



289610

### Boat Top Fittings – Nylon – Bow Socket

Item #	Style #	Color	Standard Package
289610	7434	Black	10



289618

### Boat Top Fittings – Nylon – Side Curtain Spacer

Designed to keep clear vinyl side curtains away from convertible top frames. Eliminates scratching and discoloration of vinyl curtains. Snaps over a 7/8 inch or 1 inch outside diameter tube. No tools required for assembly.

Item #	Style #	Description	Color	For	Standard Package
289618	7628	Single Spacer	White	7/8 in. OD tube	10
289619	7629	Single Spacer	White	1 in. OD tube	10
289620		Single Spacer	White	7/8 in. OD tube	10
289628	52-800	Double Spacer	Gray	7/8 in. OD tube	10



289402

### Boat Top Fittings – Nylon – Mounting Plate

Item #	Style #	Description	Color	Standard Package
289402	7415	Slide Mount Plate – 2-Hole	Black	10



289089

### Boat Top Fittings – Rubber Gasket

Item #	Style #	Color	Standard Package
289089	401-GB	Black	10



266343

### Slide Track – Aluminum – Track

Item #	Style #	Length	Material	Standard Package
266343	6410 TM-5	14 ft.	Anodized Aluminum	14





289551

## Slide Track – Nylon – Slides

Item #	Style #	Description	Color	Standard Package
289505	7408	Slide for Deck Hinge	Natural	1
289551	7408	Slide for Deck Hinge	Black	1
289553	7430	Side Mount Slide	Black	1



289102

## Slide Track – Nylon – Slide Cap

Item #	Style #	Description	Color	Standard Package
289102	7404	Slide Cap Channel Trim End Cap	Black	10
289153	7429	Slide Cap Channel Trim End Insert	Black	10



289371

## Slide Track – Nylon – Slide Lock

Item #	Style #	Description	Color	Standard Package
289371	7432	Slide Lock	Black	10



289354

## Slide Track – Nylon – Hinge

Item #	Style #	Description	Color	Standard Package
289354	7431	Deck Hinge/Slide Combination	Black	10



154700

## Mooring Pole – Aluminum “Thumb Screw”

Designed especially for boat mooring covers, the 730 Mooring Pole adjusts to 70 in. overall and collapsed measures 40-5/8 inch. Has 2-1/2 inch long swaged tip designed for No. 3 Grommet or larger. Top section is 3/4 inch O.D. x .049 wall and bottom section is 7/8 inch O.D. x .042 wall, mill finish, drawn 6063T832 aluminum tubing. Comes with crutch tip bottom to prevent marring of boat floor.

Item #	Style #	Maximum Extension	Standard Package
154700	730	5 ft. 10 in.	20



205454

## Mooring Pole – Aluminum Extension

A medium range, multi-purpose support pole with interchangeable end components. Simply turn the pole extension around for a choice of either plastic injection molded end with snap stud or a molded swaged tip. Includes jointer section, adjuster screw and stainless steel internal spring button stop.

Item #	Style #	Description	Extension Bar Threaded	Standard Package
205453	4848	Black Crutch Tip	48 in. to 96 in.	10
205454	3636	Black Crutch Tip	40 in. to 70 in.	25
205458	3636	White Crutch Tip	40 in. to 70 in.	10

## Support Pole – Aluminum Extension

A medium range, multi-purpose support pole with interchangeable end components. Simply turn the pole extension around for a choice of either plastic injection molded end with snap stud or a molded swaged tip.



205453

Item #	Style #	Size	Standard Package
205452	X47A-2TIP	47 in.	10
205457	X59A-2TIP	59 in.	10
205459	X70A-2TIP	70 in.	10

## Nylon Pole Fittings



289625



289180



289185



289095



289191



289182

Item #	Style #	Description	Color	Size	Standard Package
289625	7623	Jointer Section	Black	3/4 in. - 7/8 in.	10
289185	7521B	Jointer Section	Black	7/8 in. - 1 in.	10
289187	7624	Pole End Insert with Snap	Black	7/8 in.	10
289191	PE25	Pole End Insert with Snap	Black	7/8 in.	10
289183	7621	Pole End with Stainless Steel Cap	Black	3/4 in.	10
289180	7610B	Pole Tip	Black	7/8 in.	10
289095	9518	Soft Outside End Cap	Black	7/8 in.	10
289181	7619	Vinyl Foot	Black	3/4 in.	10
289182	7620	Vinyl Foot	Black	7/8 in.	10

## Nylon Pole Pads

Non-slip base pole pad.



274823

Item #	Description	Size	Standard Package
205460	Adjustable	7/8 in.	1
274823	Non-adjustable	7/8 in.	10

## Tip – Rubber

Eliminates damage or wear on fabric end curtains of patio awning where a Tie-Down Bar is used. Slips over ends of pipe used on roller curtains, to prevent end of pipe from chafing side of house. Can also be used on mooring poles to prevent marring boat floor.



274819

Item #	Style #	Description	Color	For	Standard Package
476095	18	Tip with Stud	White	3/4 in. tubing	1
274817	17	Tip	Black	5/8 in. tubing, 3/8 in. pipe	10
274819	19	Tip	Black	7/8 in. tubing, 1/2 in. pipe	10
274815	18	Tip	White	3/4 in. tubing	10
274816	17	Tip	White	5/8 in. tubing, 3/8 in. pipe	10
274818	19	Tip	White	7/8 in. tubing, 1/2 in. pipe	10



207620

## Boat Top Fittings – Stainless Steel Type 304 – Adjuster Buckle

Item #	Style #	Description	Standard Package	Webbing Size
207620	300	Adjuster Buckle Single Bar	10	1 in.



260450

## Boat Top Fittings – Stainless Steel Type 304 – Dee Ring

Item #	Style #	Description	Size	Standard Package	Thickness
260450	127-20-70816	Welded	1 in.	10	
260456	SS-0150	Welded	1-1/2 in.	10	0.197 inches
284235	SS-563-1	Welded	1 in.	10	



284074



284075



284077

## Boat Top Fittings – Stainless Steel Type 303/304 – Pull Pin

Item #	Style #	Description	Material	Standard Package
284074	C3-10R-303	Pull pin with 3/16 inch diameter pin, 1-3/8 inch pin length, 1 inch inner ring handle, and 2-5/16 inch overall length.	Stainless Steel Type 303	10
284075	74-7-303	Pull pin with 1/4 inch diameter pin, 3/4 inch grip, 1 inch ring handle, and 6 inch nylon-coated, stainless steel lanyard with 1-1/4 inch stainless steel tab.	Stainless Steel Type 303	10
284077	1815-1	Pull pin with 1/4 inch diameter flip type pin and 1-1/8 inch ring; pin includes stainless steel wire outer spring guard for flip.	Stainless Steel Type 304	10
284097	1815-1, 1817-1	Pull pin with 1/4 inch diameter flip type pin, 1-1/8 inch ring and 6 inch plastic coated, stainless steel lanyard with 1-1/4 inch stainless steel tab; pin includes stainless steel wire outer spring guard for flip.	Stainless Steel Type 304	10



284060

## Boat Top Fittings – Stainless Steel Type 304 – Lift Ring

Item #	Style #	Description	Standard Package
284060	F16-1812	Flush Mount Lift Ring	10



263930



263914

## Boat Top Fittings – Stainless Steel Type 304 – Hinge/Set Screw

Item #	Description	Standard Package	Threaded For Size
263930	Cup Point Set Screw 3/16 in.	10	1/4 - 28
263914	Machine Screw for #356/357 Jaw Slides	10	1/4 - 20
263915	Machine Screw for #387 Angle Hinge	10	1/4 - 20
263918	Machine Screw for #398 Side Deck Plate	10	1/4 - 20



266683

## Boat Top Fittings – Stainless Steel Type 304 – Snap Hook

Item #	Style #	Description	Length	Material	Standard Package	Webbing Size
266683	990SS	Steel Wire Snap	2-1/8 in.	Stainless Steel	100	1 in.



282172



282173

## Boat Top Fittings – Stainless Steel Type 316 – Eye End

Item #	Style #	Description	For	Standard Package
282172	324	Eye End	7/8 in. OD tube	10
282132	324-88313	Eye End	7/8 in. OD tube	10
282173	338	Eye End	1 in. OD tube	10
282133	338-88314	Eye End	1 in. OD tube	10
284257	88328	Eye End with Double Set Screw	1-1/4 in. OD tube	10



282210



282211



282214

## Boat Top Fittings – Stainless Steel Type 316 – Ball Eye End

Item #	Style #	Description	For	Standard Package
282209	F11-0177A	Ball Eye End For Pop Rivet	7/8 in. OD tube	10
282210	F11-0177S	Ball Eye End For Set Screw	7/8 in. OD tube	10
282211	F11-0180S	Ball Eye End – 90°	7/8 in. OD tube	10
282214	F12-0181S	Ball Eye End	1 in. OD tube	10



282171



282175

## Boat Top Fittings – Stainless Steel Type 316 – Counter Bore Eye End

Item #	Style #	Description	For	Standard Package
282171	324	Counter Bore Eye End without Set Screw	7/8 in. OD tube	10
282175	333	Counter Bore Eye End without Set Screw	3/4 in. OD tube	10



282176



282179



282187

## Boat Top Fittings – Stainless Steel Type 316 – Humpback Eye End

Item #	Style #	Description	For	Standard Package
282176	324	Humpback Eye End	7/8 in. OD tube	10
282179	338	Humpback Eye End	1 in. OD tube	10
282187	8208	Humpback Eye End with 2 Double Set Screws	1-1/4 in. OD tube	10
282139	88396	Humpback Eye End with Double Set Screw	7/8 in. OD tube	10
282140	88397	Humpback Eye End with Double Set Screw	1 in. OD tube	10



282178

## Boat Top Fittings – Stainless Steel Type 316 – Insert Eye End

Item #	Style #	Description	For	Standard Package
282178	324I	Eye End Insert	7/8 in. OD tube	10
282180	338I	Eye End Insert	1 in. OD tube	10



284276



284216



287874

## Boat Top Fittings – Stainless Steel Type 316 – Eye Strap

Item #	Style #	Description	Drilled For	Height	Length	Standard Package
287875	3816	Eye Strap	0.208/0.198 in. Hole, 82° countersink			10
284276	88545	Eye Strap	#10 screw	5/8 in.	1-7/8 in.	10
284216	88542	Formed Eye Strap	#8 screw	1/2 in.	1-7/8 in.	10
287874	3716	Heavy Duty Eye Strap	0.200 in. Hole			10





284262

Boat Top Fittings – Stainless Steel Type 316 – Grab Handles

For use with 7/8" stainless steel tubing. Comes packaged with 2 handles per package.

Item #	Style #	Description	For	Standard Package
284262	9114665	Bimini/Dodger Adjustable Grab Handles	7/8 in. tubing	Pack of 2

Boat Top Fittings - Stainless Steel Type 316 - Hinge/Set Screw

Item #	Style #	Description	Size	Standard Package	Threaded For Size
284282	88338	Cone Point Allen Drive Set Screw	3/16 in.	100	1/4 - 28



284207



284076

Boat Top Fittings – Stainless Steel Type 316 – Angle Hinge

Item #	Style #	Description	Drilled For	Panhead Screw	Projection	Size	Standard Package
284207	230	Angle Hinge with Screw	#10 screw	1/4 - 20		3/4 in. x 2 in.	10
284073	387QR	Angle Hinge without Pin – 10° (1/4 in. drilled hole)	#10 screw	1/4 - 20	1 in.	7/8 in. x 2 in.	10
284208	233	Angle Hinge without Screw (1/4 in. drilled hole)	#10 screw			3/4 in. x 2 in.	10
284071	387	Angle Hinge – 10°	#10 screw	1/4 - 20	1 in.	7/8 in. x 2 in.	10
284076	886	Universal Deck Hinge – 90°	1/4 in. screws	M6 x 1	7/8 in.	1 in. x 2-1/8 in.	10



284086



284209



284210

Boat Top Fittings – Stainless Steel Type 316 – Concave Hinge

Item #	Style #	Description	Drilled For	Projection	Size	Standard Package
284086	386R	Concave Hinge	#10 screw	1-1/4 in.	3/4 in. x 2-7/16 in.	10
284209	88321	Concave Hinge with 1/4 in. Bolt	#10 screw	1-3/8 in.	7/8 in. x 2 in.	10
284210	88321N	Concave Hinge without Pin	#10 screw	1-3/8 in.	7/8 in. x 2 in.	10

## Boat Top Fittings – Stainless Steel Type 316 – Socket



284120



284123

Item #	Style #	Description	Standard Package
284124	F13-0242/244BN	Concave Hinge Socket with Lanyard	10
284132	F13-1095P	Concave Socket Hinge with D-Ring – Port	10
284133	F13-1095S	Concave Socket Hinge with D-Ring – Starboard	10
284120	F13-0241/244BN	Deck Hinge Socket with Lanyard	10
284123	F13-0301/244BN	Hinge Socket with Lanyard	10



284083



284082



282134



284206



284059

## Boat Top Fittings – Stainless Steel Type 316 – Deck Hinge

Item #	Style #	Description	Drilled For	Panhead Screw	Projection	Size	Standard Package
284083	401-07	Bimini Quick Release Deck Hinge	#10 screw		1 in.	1-3/16 in. x 3-1/2 in.	10
284102	415	Bimini Quick Release Deck Hinge			1.3 in.	3.6 in.	10
284130	F13-1085P	Deck Hinge with D-Ring Port					10
284131	F13-1085S	Deck Hinge with D-Ring Starboard					10
284082	378QR	Deck Hinge without Pin (1/4 in. drilled hole)	#10 screw		1-1/8 in.	7/8 in. x 2 in.	10
282134	88320N	Deck Hinge without Pin – 90° (1/4 in. drilled hole)	#10 screw			3/4 in. x 2 in.	10
284206	88320	Deck Hinge – 90°	#10 screw	1/4 - 20		3/4 in. x 2 in.	10
284059		Heavy Duty Adjustable Deck Hinge – 90°	1/4-20 screw		1-1/2 in.		10
284259	88320-3	High Profile Deck Hinge	#10 screw	5/16 in. flush head screw	3 in.	1 in. x 2 in.	10
284070	378	Straight Deck Hinge	#10 screw	1/4 - 20	1-1/8 in.	7/8 in. x 2 in.	10



284091

## Boat Top Fittings – Stainless Steel Type 316 – Post

Item #	Style #	Description	Size	Standard Package
284091	401-P-07	Bimini Quick Release Deck Hinge Post	5/8 in.	10
284109	401-P-07	Bimini Quick Release Deck Hinge Post	1/2 in.	10



Boat Top Fittings – Stainless Steel Type 316 – Locking Rail Hinge

Item #	Style #	Description	For	Standard Package
284265	9027204	Locking Rail Hinge with Quick Release Pin	7/8 in. OD tube	10
284270	9027202	Locking Rail Hinge with Quick Release Pin	1 in. OD tube	10
284278	200297	Locking Rail Hing with Push Button Release	7/8 in. OD tube	10



Boat Top Fittings – Stainless Steel Type 316 – Side Deck Plate Hinge

Item #	Style #	Description	Bolt Size	Drilled For	Size	Standard Package
286170	398	Side Deck Plate – 2-Hole	1/4 in. - 20	#10 screw	7/8 in. x 2 in.	10
286172	388	Side Deck Plate – 4-Hole	1/4 in. - 20 Phillips			100
286173	388	Side Deck Plate – 4-Hole	5/16 in. Hex			100



Boat Top Fittings – Stainless Steel Type 316 – Side Mount Hinge

Item #	Description	For	Standard Package
289324	Sliding Side Mount Hinge	1-1/4 in. OD tube	10
289325	Sliding Side Mount Hinge	7/8 in. OD tube	10
289326	Sliding Side Mount Hinge	1 in. OD tube	10
289323	Split Side Mount Hinge	1-1/4 in. OD tube	10
289328	Split Side Mount Hinge	1 in. OD tube	12



Boat Top Fittings – Stainless Steel Type 316 – Lashing Hook

Item #	Style #	Description	Size	Standard Package
287876	89010	Lashing Hook with two 3/16 inch holes.	1 in. x 1-1/4 in.	10



Boat Top Fittings – Stainless Steel Type 316 – Double-Sided Jaw Slide

Item #	Style #	Description	For	Standard Package
287655	88317-2	Double Sided Jaw Slide	1 in. OD tube	10



Boat Top Fittings – Stainless Steel Type 316 – Hinged Jaw Slide

Item #	Style #	Description	For	Standard Package
284267	8731442	Hinged Jaw Slide with Allen Set Screw	7/8 in. OD tube	10
284268	8731443	Hinged Jaw Slide with Allen Set Screw	1 in. OD tube	10
284269	8731447	Hinged Jaw Slide with Allen Set Screw	1-1/4 in. OD tube	10



226947

Boat Top Fittings – Stainless Steel Type 316 – Rail

Item #	Description	For	Standard Package
226947	Locking Hinged Jaw Slide	1 in. OD tube	10
226948	Locking Hinged Jaw Slide	1-1/4" OD tube	10



287660

Boat Top Fittings – Stainless Steel Type 316 – Humpback Jaw Slide

Item #	Style #	Description	For	Standard Package
287660	8211	Humpback Jaw Slide with 2 Set Screws	1-1/4 in. OD tube	10
282137	88398	Humpback Jaw Slide with 2 Set Screws	7/8 in. OD tube	10
282138	88399	Humpback Jaw Slide with 2 Set Screws	1 in. OD tube	10
287657	356	Humpback Jaw Slide	7/8 in. OD tube	10
287659	368	Humpback Jaw Slide	1 in. OD tube	10



287657

Boat Top Fittings – Stainless Steel Type 316 – Jaw Slide

Item #	Style #	Description	For	Panhead Screw	Standard Package
287652	356	Jaw Slide with 1/4-28 Set Screw	7/8 in. OD tube	1/4 - 20	10
287653	368	Jaw Slide with 1/4-28 Set Screw	1 in. OD tube	1/4 - 20	10
282135	356-88316	Jaw Slide without Set Screw	7/8 in. OD tube	1/4 - 20	10
282136	356-88317	Jaw Slide without Set Screw	1 in. OD tube	1/4 - 20	10



287652



282136

Boat Top Fittings – Stainless Steel Type 316 – Heavy-Duty Jaw Slide

Item #	Style #	Description	For	Standard Package
284258	88329	Heavy Duty Jaw Slide with 2 Set Screws	1-1/4 in. OD tube	10



284258

Boat Top Fittings – Stainless Steel Type 316 – Jaw Slide For Pop Rivet

Item #	Style #	Description	For	Standard Package
284255	F11-1001	Jaw Slide Socket For Pop Rivet	7/8 in. OD tube	10



284255

Boat Top Fittings – Stainless Steel Type 316 – Socket Jaw Slide

Item #	Style #	Description	For	Standard Package
287635	F11-1001AS	Jaw Slide Socket with Set Screw	7/8 in. OD tube	10
287636	F12-0300S	Jaw Slide Socket with Set Screw	1 in. OD tube	10



287635

287636





284215

## Boat Top Fittings – Stainless Steel Type 316 – Adjuster Buckle

Item #	Style #	Description	For	Standard Package
284215	9114706	Web Adjuster Buckle with Recessed Base	1 in. OD tube	10



284126

## Boat Top Fittings – Stainless Steel Type 316 – Pull Pin

This Pull Pin features a 1-1/2 inch length by 1/8 inch diameter, a 1 inch Pull Knob and 3 inch Lanyard.

Item #	Style #	Standard Package
284126	F13-0244BN	10



284217



284220



284221

## Boat Top Fittings – Stainless Steel Type 316 – Quick Release Pin

Item #	Style #	Description	Standard Package
284217	88546	Quick Release Pin (1/4 in. diameter, 7/8 in. grip)	10
284218	88547	Quick Release Pin (1/4 in. diameter, 7/8 in. grip) w/Tab and 6" Nylon-Coated Stainless Steel Cable	10
284220	88551	Quick Release Pin (1/4 in. diameter, 1 in. grip) w/DCAM-S Ring	10
284221	88548	Quick Release Pin (1/4 in. diameter, 3/4 in. grip) w/DCAM-S Ring and 6" Nylon-Coated Cable	10



284203

## Boat Top Fittings – Stainless Steel Type 316 – Push Button

Item #	Style #	Description	Standard Package
284203	89008	Push Button	10



226965



284281



226940

## Boat Top Fittings – Stainless Steel Type 316 – Snap Hook

Item #	Style #	Description	For	Length	Standard Package	Webbing Size
226965	89007	Fast Eye Heavy Duty Snap Hook	1 in. OD tube	2 in.	10	1 in.
266687	249SS-0	Snap	3/8 in. OD tube	2-1/8 in.	10	3/8 in.
284281	8928263	Heavy Duty Snap Hook	1 in. OD tube		10	

## Boat Top Fittings – Stainless Steel Type 316 – Side Mount with Concave Base

Item #	Description	Standard Package
226940	Side Mount – 90°	10
226941	Side Mount – 75°	10



226929

## Boat Top Fittings – Stainless Steel Type 316 – Plug

Item #	Style #	Description	For	Standard Package
226929	88303	Bullet End Plug	7/8 in. OD tube	10



282216

## Boat Top Fittings – Stainless Steel Type 316 – Elbow Eye End

Item #	Style #	Description	For	Standard Package
282216	88310	Elbow – 90°	1 in. OD tube	10



226922

## Boat Top Fittings – Stainless Steel Type 316 – Slip Tee

Item #	Description	For	Standard Package
226920	Slip Tee – 90°	7/8 in. OD tube	10
226922	Slip Tee – 90°	1 in. OD tube	10



226921

## Boat Top Fittings – Stainless Steel Type 316 – Hinged Tee

Item #	Description	For	Standard Package
226921	Hinged Slip Tee – 90°	7/8 in. OD tube	10



208340

## Boat Top Fittings – Stainless Steel – Push Button

Item #	Style #	Material	Size	Standard Package
208340	II-132	Stainless Steel	1/4 in.	10



286167

## Boat Top Fittings – Stainless Steel Type 316 – Coaming Pad Hook and Eye Set

This coaming pad hook and eye set (clip) is a two-part design made of high quality type 316 stainless steel. Due to the low-profile design, the clip does not require large mounting holes in a bolster substrate. Clips are sold as a set, and include both components to make for easy upholstery installation and removal.

Item #	Style #	Material	Standard Package
286167	CPHE57	Stainless Steel Type 316	1



255216

## Boat Top Fittings – Stainless Steel – Bolster Clip

Item #	Style #	Material	Size	Standard Package
255216	F16-0094	Stainless Steel	3 in.	1



275735

## Tubing – Marine – Stainless Steel Type 304

For convertible boat tops and boat railings. Available from 7/8 inch to 1-1/4 inch O.D. with 16 and 18 gauge wall thicknesses. This tubing is tig welded, polished, buffed and paper sleeved. Sold in full lengths only.

Item #	Length	Outside Diameter	Standard Package	Wall	Weight
275735	20 ft.	1 in.	1 piece	0.065 in.	13 lbs.
275737	24 ft.	1 in.	1 piece	0.049 in.	12 lbs.
275736	24 ft.	1 in.	1 piece	0.065 in.	16 lbs.
275739	20 ft.	1-1/4 in.	1 piece	0.065 in.	20 lbs.
275738	24 ft.	1-1/4 in.	1 piece	0.065 in.	24 lbs.
275733	20 ft.	7/8 in.	1 piece	0.049 in.	5 lbs.
275731	20 ft.	7/8 in.	1 piece	0.065 in.	5 lbs.
275732	24 ft.	7/8 in.	1 piece	0.065 in.	6 lbs.
275734	24 ft.	7/8 in.	1 piece	0.049 in.	6 lbs.



275741

## Tubing – Marine – Stainless Steel Type 316

For convertible boat tops and boat railings. This tubing is tig welded, polished, buffed and paper sleeved. Sold in full lengths only.

Item #	Length	Outside Diameter	Standard Package	Wall	Weight
275740	20 ft.	1 in.	1 piece	0.065 in.	13 lbs.
275741	24 ft.	1 in.	1 piece	0.065 in.	15 lbs.



578131

## Keder – Marine

Made from a unique, heavy-duty polyester fabric welded to a solid PVC cord. It is easy to sew and won't tear out. It easily slides through Flex-A-Rail and various PVC and aluminum track.

Item #	Style #	Description	Color	Put Up	Size
578131			Black	109 yd.	7.5 mm
578134	C7420		Black	109 yd.	8.5 mm x 20 mm
578130			White	109 yd.	7.5 mm
578107	11.0830.11		White	110 yd.	8.5 mm
578133	C7420		White	109 yd.	8.5 mm x 20 mm
578103	12.0830.11	Double Tongue	White	110 yd.	8.5 mm
578111	13.0722.19	Welded Tongue	Black	110 yd.	7.5 mm
578105	13.0820.19	Welded Tongue	Black	110 yd.	8.5 mm
578106	13.0720.11	Welded Tongue	White	110 yd.	7.5 mm
578104	13.0820.11	Welded Tongue	White	110 yd.	8.5 mm



578137

## Keder – Tent

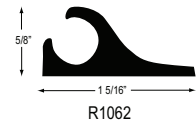
Keder is designed specifically for use in outdoor tensile structures where strength and resistance to the elements are critical. Made from a unique, heavy-duty polyester fabric welded to a solid PVC cord. It is easy to sew and won't tear out.

Available to ship by LTL only.

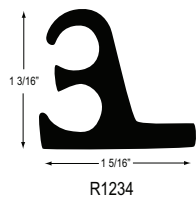
Item #	Color	Put Up	Size
578137	Panama with Blackout	218 yd.	11 mm x 40 mm
578136	White with Blackout	218 yd.	13 mm x 40 mm
578135	White	218 yd.	13 mm x 40 mm



251028



251051



251058

## Track – PVC

This rigid PVC molding is UV resistant, non-corrosive, non-rusting and can be used in or on salt water. Can be shaped very easily. Will crack under extremely cold conditions.

Sold in full lengths only.

Item #	Style #	Description	Color	Degree of Channel	Flange Size	Length	Standard Package	Weight Per Foot
251026	1445		White	90°	0.610 in.	18 ft.	270	0.15 lbs.
251028	333		White	90°	0.610 in.	8 ft.	120	0.15 lbs.
251051	R1062		White	45°	0.500 in.	8 ft.	8	0.185 lbs.
251052	R1062		White	45°	0.500 in.	14 ft.	14	0.185 lbs.
251057	R1338	Double Ceiling Molding	White			8 ft.	80	0.2451 lbs.
251058	R1234	Double Wall Molding	White		0.500 in.	8 ft.	8	0.325 lbs.



578060

## Track – Costa Track®

Costa Track is a center mount track with a heavy-duty PVC profile that maximizes load capability for large covers, bimini and track-to-track enclosures. It is pre-drilled every four inches, and can be heat-formed to most radiuses. Its large channel opening allows use of stainless steel #6 oval head screws for more secure attachment. The deep screw trough base design allows for use of 8.5mm Keder with sufficient clearance of screw heads.

Costa Track is designed with a pocketed underside to accommodate Double-Faced Foam Pressure Sensitive Tape, which is used to set and seal the track to the mounting surface before being secured with the screws.

Item #	Description	Color	Length	Standard Package	Type
578060	UVR Heavy Duty Vinyl	White	8 ft.	8	Flat
578061	UVR Heavy Duty Vinyl	White	16 ft.	16	Flat
578063	UVR Heavy Duty Vinyl	Off-White	16 ft.	16	Flat
578066	UVR Heavy Duty Vinyl	Off-White	16 ft.	16	Contoured
578067	UVR Heavy Duty Vinyl	White	16 ft.	16	Contoured

Costa Track® is a registered trademark of Costa Marine Canvas and Enclosures.





284246

## Track – Costa Track® End Cap

This polished end cap gives a professional finish to your Costa Track® track installation while protecting the PVC opening from being “burned out” by taking the keder in and out of the track. Not applicable for contoured Costa Track.

Item #	Style #	Height	Length	Material	Standard Package	Width
284246	501354800	3/4"	1"	Stainless Steel Type 316	1	3/4"



578069

## Track – Three Channel – PVC

This white PVC Three Channel Track is designed to extend double track capabilities to locations where fasteners are not available, or when track cannot be mounted to a boat, such as the crown on a hardtop, and cross sections of fabric or stainless steel rods. This track can be used with Trivantage® 8.5 mm Keder.

Item #	Style #	Color	Length	Put Up	Standard Package
578069	0773	White	12 ft.	12 ft.	12

Trivantage® is a registered trademark of Glen Raven, Inc.



578019

## Track – Flex-A-Rail

Flex-A-Rail provides quick and easy installation of boat windshields, tops, covers and curtains.

A PVC extrusion, Flex-A-Rail is non-corrosive and can be run around tight corners without the use of crimping tools. Only small amounts of heat are needed to bend or straighten. Designed for use of 7.5mm Keder. Pre-drill holes just slightly larger than the shank of the screw (screw item# 265453, screw hex driver item# 265452). Holes should be 2 inches to 2-1/2 inches apart for tight radiuses, and 4 inches to 8 inches apart depending upon the configuration of the mounting surface.

Item #	Style #	Description	Color	Length	Size	Standard Package
578019	180-2-W	UVR Vinyl	White	180 in.	7.5 mm	50
578018	90-2-B	UVR	Black	90 in.	7.5 mm	100
578017	90-2-W	UVR Vinyl	White	90 in.	7.5 mm	100



265452



265453

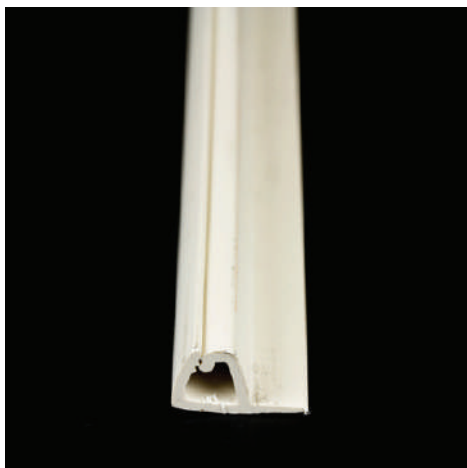


265454

## Track – Trim Screws

For use with PVC and aluminum track.

Item #	Description	Material	Size	Standard Package
265452	Hex Driver for Trim Screw (#265453)			1
265453	Hex Head Trim Screw	Stainless Steel	#6 x 3/4" x #4 head, #0 square drive	1
265450	Phillips Head Trim Screw	Stainless Steel	#6 x 3/4" x #4 pan head	1
265454	Phillips Head Trim Screw	Stainless Steel	#6 x 5/8" x #4 head	1



## Track – Headliner

Headliner track is an efficient and cost effective way to install or replace headliners. With Headliner Track, there is no need for staplers or trim strips, and fabricators no longer need to work in enclosed spaces using toxic adhesives and heavy foam backed fabrics.

Headliner Track also makes it possible to replace damaged headliners or work on parts of the boat which were previously not accessible without damaging or rebuilding the entire headliner. Headliner Track allows you to simply pull the fabric out of the track and put it back when the work is done.

Headliner Track is available in two profiles. The Perimeter track is used for the outside edge of a cabin ceiling and the Mid-Wall track is used as an intermediate attachment of the headliner fabric's seams and centerlines. Attached with screws, Headliner Track can be easily mitered for clean corners or slotted for gradual bends and curves.

Item #	Description	Length	Standard Package
578070	Perimeter Track	18 ft.	18
578071	Mid-Wall Track	18 ft.	18



275454



275455

## Track – Headliner – Tools

Four custom Headliner track tools make fabric installation a snap. Each tool is lightweight and ergonomically designed with textured, non-slip surfaces. Tools include a 45-degree angle short run tool for tight spaces at close angles; a curved edge tool and straight edge tool for straight runs of short distance; and a nine-inch pizza cutter for long runs of either the Perimeter or Mid-Wall Track.

Item #	Description	Standard Package
275457	Bend Tool – 45°	1
275456	Curved Edge Tool	1
275454	Pizza Cutter Tool	1
275455	Straight Edge Tool	1



277543

## Boat Vent 3

Boat Vent 3 is an improved version of Boat Vent II, which made its name in the marine industry by preventing the growth of mold and mildew on covered boats. Made from a high UV-inhibited plastic, improvements include 40% more venting, an overhanging top to deter moisture, 30 washer teeth for better grip and an ergonomic reversible nut for easy installation.

Item #	Color	Standard Package
277543	Black	1



277541

## Boat Vent II

A plastic cover support and venting device for use with 3/4 inch or 7/8 inch mooring poles. Designed to distribute a greater volume of exhaust air while closing the top-to-bottom gap that keeps rain out. Suitable for all types of fabric. Unique design eliminates the need for screws, saving time.

Item #	Color	Standard Package
277541	Black	1



277544



277663

## Boat Vents

Venting caps for covered marine craft. Designed to prevent mold and mildew growth.

Item #	Style #	Description	Color	Size	Standard Package
277544		Sewable Vented Pole Cap	Black		1
277546	45771	Sewable Vented Pole Cap Installation Tool			1
277663		Boat Vent Aero Sew In Vent with Screen	Black	1-1/2 in. (H) x 5 in. (W) x 6-1/8 in. (L)	1



277540

## Boat Vent Circle Cutter

Convenient circle cutter allows a hole to be cut in a matter of seconds, for quick and easy installation of the Boat Vent device into fabric. Simply place the cutter in position on the canvas where your Boat Vent is going to sit, press down, and rotate the handle clockwise. One complete revolution provides the perfect 2-1/4" hole for Boat Vent II or a 2-4/5" hole for Boat Vent 3. Using the circle cutter will save time and prevent costly mistakes. The one-of-a-kind device guarantees cutting at least 2,500 holes without dulling. You can use this circle cutter with Boat Vent II or Boat Vent 3 just by switching the blade around.

Item #	Description	Standard Package
277540	Boat Vent Circle Cutter	1
277542	Boat Vent Circle Cutter Replacement Blade	1



277550

## Vent-Sol-Air™

Vent-Sol-Air uses a solar-powered fan to circulate air under tented boat covers, which fights mold and mildew, and maintains the appearance of a boat's interior.

Vent-Sol-Air mounts to the pole of tented boat covers and installs in minutes. Its sealed, water-resistant design is constructed of tough-plastic for marine-grade durability. Vent-Sol-Air taps the natural power of the sun without using batteries or power cords.

Item #	Standard Package
277550	1



277501

## Ventilator – Airlette®

Installs in seconds without the aid of hardware or adhesives, by "snapping" into place with an assured water-tight seal. The Airlette Ventilator automatically self-adjusts to fit any material up to 1/8 inch thick. Its hood rotates 360° and can be detached for easy storage.

Item #	Style #	Color	Standard Package
277501	BSA-2	White	1

Airlette® is a registered trademark of Airlette Manufacturing Corporation.



274811

## HANGTYTE Boat Cover System

HANGTYTE is a boat cover suspension system that works with all covers, eliminating the need for poles. The rope ratchet system can be looped over a boat's tower or any overhead structure. Once tightened, HANGTYTE keeps the cover taut and leaves no chance for pooling of water on the cover.

Depending on the size of your boat, you may need one to three HANGTYTE units. One unit for boats 21-foot and under (cockpit), two units for boats in the 22 to 23-foot range (one in the bow, one in the cockpit) and for boats 24-foot and larger, 3 units (one in the bow, two in the cockpit).

Item #	Style #	Standard Package
274811	60901-0000	1



251913

## Needle – Sail

Item #	Style #	Finish	Length	Material	Standard Package	Type
251916	16	Nickel Plated	2-3/8 in.	Steel	25	Standard
251913	13	Nickel Plated	3 in.	Steel	1	Standard
251706	501	Nickel Plated	6 in.	Steel	1	Curved



254501

## Sailmaker's Palm

Riveted sailmaker's palm with rawhide covered thimble.

Item #	Style #	Standard Package
254501	1	1



254709

## Pencil – Fabric Marking

For clear, easy marking of fabrics:

**254711** Black graphite pencil designed for use for shop notes, drawings and writing on hard surfaces. Can be used for light use on white fabric, but may be difficult to remove from woven fabrics.

**254706** White marking “spit” pencil has a soft lead and is designed for use on a variety of woven and vinyl fabric. Markings are best removed with a wet cloth.

**254709** White marking “spit” pencil has a firmer element than the standard “spit” pencil. Designed for use on a variety of fabrics, including clear vinyl. Markings are best removed with a wet cloth.

**254710** Soft yellow marking pencil designed for a variety of fabrics, from wovens to vinyls. Care should be taken to avoid marking too hard, as the yellow compound can be hard to remove. At a minimum, markings can be removed with a damp cloth, but heavier markings may require soap and water. Use with acrylic fabrics should be avoided.

Item #	Description	For	Standard Package
254711	Black Graphite	White fabrics (any type)	72 pencils/box
254706	White Hex Untipped Projection Lead	Clear vinyl, vinyl laminates, vinyl coated polyester and nylon	144 pencils/box
254709	White Lead 1256 "Spit Pencil"	Vinyl, acrylic and woven fabrics	72 pencils/box
254710	Yellow Lead	Vinyl and acrylic fabrics	72 pencils/box

Trivantage® is a registered trademark of Glen Raven, Inc.



255208

## Pins – T

Used to secure fabric and make pattern before sewing. A very helpful aid when doing complex custom work, such as a boat top.

Item #	Style #	Length	Material	Put Up	Standard Package
255208	32	2 in.	Steel	1/2 lb. box	1 pound box



255215

## Pins – Upholstery

Item #	Style #	Material	Size	Standard Package
255215	190	Steel	3 in.	1 gross



200795

## Anchor – Pool Cover

The No. 50 deluxe brass anchor remains flush with the pool deck when not in use, and is highly corrosion resistant. It allows the cover to be easily and securely installed by unscrewing the bolt to receive “S” hooks on a rubber tie, a rubber tie hole, or the rounded ring end of the stainless steel spring. There are no threads to strip at the top of the bolt.

For use with Spring – Pool Cover (Item no. 200797).

Item #	Style #	Description	Material	Standard Package
200795	50	Pool Anchor	Brass	1



200797

## Spring – Pool Cover

Item #	Length	Material	Standard Package
200797	7.5 in.	Stainless Steel Type 304	1
273795	8 in.	Stainless Steel	1



274511

## Ties – Cable

Specially treated for outdoor exposure, these nylon cable ties are designed to allow uniform tightening. Plus, they require less time than traditional lacing cord. These ties are an ideal solution for a professional appearance at a low cost.

Item #	Style #	Color	Length	Standard Package
274511	T50ROM4	Black	8 in.	1000



274515

## Ties – Awning

These aluminum ties are flexible and very easy to use. Will not rust or stain and are reusable.

Item #	Style #	Length	Standard Package
274515	5	5 in.	200





239401

## Hook – Tarp Binding

Cold drawn steel with zinc-plated finish, designed primarily to hold tarp ropes securely on truck bodies. Can be used in any industry where ropes are used, and where rope must be held tight.

Item #	Style #	Description	Diameter Hole	Hook Opening	Length	Standard Package	Wire Diameter
239402	12010	Hook No. 3	3/16 in.	5/8 in.	2 in.	100	0.250 in.
239401	12011	Hook No. 5	1/4 in.	1 in.	3-3/4 in.	100	0.365 in.
239452	12009	Hook No. 52C	3/16 in.	7/16 in.	1-1/2 in.	100	0.192 in.



226002

## Screw Eye

Zinc-plated finish – with sharp gimlet points for quick starting.

Item #	Style #	Inside Diameter Eye	Length	Length Shank	Standard Package	Wire Diameter
226010	10	13/32 in.	1-3/8 in.	11/16 in.	100	0.135 in.
226008	8	15/32 in.	1-5/8 in.	13/16 in.	100	0.162 in.
226002	2	23/32 in.	2-5/8 in.	1-15/32 in.	50	0.263 in.



226085

## Screw Eye – Long Shank

Zinc-plated. For fastening through wood shingles.

Item #	Style #	Inside Diameter Eye	Length	Length Shank	Standard Package
226085	8-1/2	1/2 in.	2-5/16 in.	1-3/8 in.	100



226108

## Screw Eye – Open Eye

Zinc-plated finish with sharp gimlet points for starting.

Item #	Style #	Inside Diameter Eye	Length	Length Shank	Standard Package
226108	8	1/2 in.	1-5/8 in.	13/16 in.	100



260920



261012

## O Ring

Item #	Diameter of Stock	Finish	Gauge	Inside Diameter of Ring	Material	Standard Package
260902	0.177	Chrome Plated	9	1 in.	Zinc Die-Cast	500
260903	3/32 in.		13	3/8 in.	Zinc Die-Cast	1000
260905	3/32 in.	Nickel Plated	12	5/8 in.	Steel	500
260906	1/8 in.		11	3/4 in.	Zinc Die-Cast	500
260920	0.177 in.	Nickel Plated	9	1 in.	Steel (Welded)	100
261004	1-1/2 in.	Cadmium	3	1-1/2 in.	Steel	750
261005	1-3/64 in.	Cadmium	6	1-1/4 in.	Steel	100
261007	11/32 in.	Cadmium	0	1-3/4 in.	Steel	100
261008	11/32 in.	Cadmium	0	2 in.	Steel	100
261009	3/8 in.	Cadmium	000	2-1/4 in.	Steel	100

Item #	Diameter of Stock	Finish	Gauge	Inside Diameter of Ring	Material	Standard Package
261010	3/8 in.	Cadmium	000	2-1/2 in.	Steel	100
261011	3/8 in.	Cadmium	000	2-3/4 in.	Steel	100
261012	3/8 in.	Cadmium	000	3 in.	Steel	50
261102	0.177 in.		9	1 in.	Type 316 Stainless Steel	100



266677

## Spring – Snap Link

Zinc-plated steel.

Item #	Style #	Description	Standard Package
266677	245M-50M	1.97 in. x 5 mm wire	100



269115

## Goldline® EPDM Tie-Down And Tarp Strap

Straps reinforced at hook ends. Hooks are 2-1/2 inch and where included come in a quantity of 2.

To determine strap size, let maximum stretch length, below, be your guide. For example, if distance between tarp grommet and trailer tie-down bar is 24 inch, order a 15 inch strap which provides a maximum 25 inch stretch length. If distance is 27 inch, order a 21 inch strap with maximum 34 inch stretch length.

Where hooks are inserted we supply two hooks per strap.

UNIVERSAL POLYMER Warning for EPDM TARP AND TIE-DOWN STRAPS: Observe maximum stretch warnings. Straps should not be stretched more than 50% of their normal length. Sudden disconnect in a stretched position may cause serious eye injury. Wear safety glasses during tie down and disconnect. Inspect straps before each use. Discard if abraded, cut or cracked. Straps should not be substituted as primary tie-down device for load.

Item #	Style #	Description	Length Overall With Hook	Maximum Stretch With Hook	Standard Package	Tarp Strap Length
269109	635197920	Strap without Hooks	13 in.	18 in.	50	10 in.
269115	635197820	Strap without Hooks	18 in.	25 in.	50	15 in.
269120	635196920	Strap without Hooks	24 in.	34 in.	50	21 in.
269310	635197940	Strap with Hooks Inserted	13 in.	18 in.	50	10 in.
269315	635197840	Strap with Hooks Inserted	18 in.	25 in.	50	15 in.
269321	635196940	Strap with Hooks Inserted	24 in.	34 in.	50	21 in.
269331	635197740	Strap with Hooks Inserted	34 in.	49 in.	50	31 in.
269341	635738940	Strap with Hooks Inserted	44 in.	66 in.	50	41 in.

Goldline® is a registered trademark of Universal Polymer & Rubber LTD.



269200

## Hook – Tarp Strap “S”

Item #	Style #	Length	Material	Size Opening	Standard Package
239801	1	1-11/16 in.	Zinc-Plated Steel	3/8 in.	100
239803	3	1-5/8 in.	Zinc-Plated Steel	5/8 in.	100
269200		2-1/2 in.	Stainless Steel	9/16 in.	100
269202		2-1/2 in.	Galvanized Steel	7/8 in.	100



261992

## Tie-Down – EPDM Rope Standard Black

Use anywhere constant tension is needed. Just cut the cord to the length required, apply the galvanized double eye hooks at both ends, and it's ready for use. Will not crack, chip or peel. Use in any weather.

UNIVERSAL POLYMER Warning for EPDM ROPE TIE-DOWNS: Sudden disconnect in a stretched position may cause serious eye injury. Wear safety glasses during tie down and disconnect. Inspect before use. Discard if abraded, cut or cracked.

Item #	Style #	Put Up	Rope Size	Standard Package	Weight
261991	933037502	200 ft. coil	3/8 in.	1	13 lbs.
261990	933037501	200 ft. coil with 150 double eye hooks	3/8 in.	1	22 lbs.
261992	933037503	800 ft. coil	3/8 in.	1	50 lbs.



261993

## Tie-Down – EPDM Rope Heavy Duty Black

Use anywhere constant tension is needed. Just cut the cord to the length required, apply the galvanized double eye hooks at both ends, and it's ready for use. Will not crack, chip or peel. Use in any weather.

UNIVERSAL POLYMER Warning for EPDM ROPE TIE-DOWNS: Sudden disconnect in a stretched position may cause serious eye injury. Wear safety glasses during tie down and disconnect. Inspect before use. Discard if abraded, cut or cracked.

Item #	Style #	Description	Put Up	Rope Size	Standard Package	Weight
261994	933043701		150 ft. coil	7/16 in.	1	13 lbs.
261993	933043702		150 ft. coil with 150 double eye hooks	7/16 in.	1	22 lbs.
261995	933043703		600 ft. coil	7/16 in.	1	48 lbs.
261996		Galvanized Double Eye Hooks			1000	



261996

## Snap – Bolt

Malleable iron, loop eye.

Item #	Style #	Finish	Length	Material	Standard Package	Webbing Size
266679	25	Cadmium Plated	3-1/4 in.	Malleable Iron	10	1 in.



266679

## Snap – Curtain Trigger

Made of malleable iron. Used to fasten down roller curtains. Zinc plated.

Item #	Style #	Length	Standard Package	Webbing Size
266675	204	1-3/4 in.	10	3/4 in.



266675



266672



266895

## Snap – Spring

Item #	Style #	Finish	Length	Material	Standard Package	Webbing Size
266680	200	Cadmium Plated	3-1/16 in.	Malleable Iron	10	1 in.
266876	349			Stainless Steel	100	1 in.
266685	900ST	Nickel Plated		Steel	100	1 in.
266904	5350	Nickel Plated	1-3/4 in.	Steel	20	1 in.
266895	5016	Nickel Plated	2-5/8 in.	Steel	100	1 in.
266741	142-A	Zinc Plated	2-1/8 in.	Steel	100	1 in.
266672	200	Cadmium Plated	3-9/16 in.	Malleable Iron	10	1-1/2 in.
266681	142-A	Nickel Plated	1-15/16 in.	Steel	100	1-1/2 in.
266674	200	Zinc Plated	3-3/4 in.	Steel	10	2 in.
266767	249	Brass	2-1/2 in.	Brass	100	3/4 in.

## Snap – Tent Wall

Item #	Style #	Finish	Material	Standard Package	Webbing Size
266686	340Z	Nickel Plated	Zinc Die Cast	500	1 in.



266514

## Tent Slide

Stamped galvanized steel.

Item #	Style #	Length	Rope Size	Standard Package
266514	4	4 in.	5/16 in.	500



266504

## Tent Slip

Injection-molded, glass-filled nylon, 4 inch long for 5/16 inch diameter rope. Meets spec. MIL-S-1734 Type II.

Item #	Color	Length	Rope Size	Standard Package
266504	Olive Drab	4 in.	5/16 in.	700



267612

## Tent Stake – Steel

Formed of heavy-gauge, precoated galvanized steel. Specially designed top provides maximum strength with minimum weight.

Item #	Length	Standard Package
267609	9 in.	100
267612	12 in.	100
267615	15 in.	100





267710

## Tent Stake – Kinked Wire

A sturdy all-steel tent stake with slash-cut end, and kinked body made of 1/4 in. diameter steel. Bright zinc plating adds lasting protection. Can also be used for ground fastening of sunshades, wind baffles and privacy screens.

Item #	Length	Standard Package
267709	9 in.	100
267710	9 in.	1000



267500

## Tent Stake – Polypropylene

Made to withstand heavy usage. Superior strength in temperature extremes.

Item #	Color	Length	Standard Package
267500	Yellow	9 in.	300

## YKK® AQUAGUARD®

AQUAGUARD® zippers have a shiny polyurethane coating with an embossed finish that sheds water, as well as enhancing the appearance. These zippers can be ultrasonically bonded or sewn.

Item #	Style #	Color	Length	Standard Package
280869	UR CT4OL-101 DFBL 67752	Black	240 in.	10

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280331

## YKK® VISLON® 10VF No. 10 Sliders – Metal

Item #	Style #	Description	Color	Color #	Standard Package
280363	10VFDX	AutoLok Double Pull	Black	580	100
280336	10CFDX	AutoLok Double Pull	White	501	100
280362	10VFDA	AutoLok Single Pull	Black	580	100
280595	10VFDA	AutoLok Single Pull	Light Beige		1000
280334	10VFDA	AutoLok Single Pull	White	501	1000
280873	10VFDWL	Non-Locking Long Double Pull Tab	Black	580	100
280872	10VFDWL	Non-Locking Long Double Pull Tab	White	501	100
280369	10VDFWW	Non-Locking Short Double Pull Tab	Black	580	100
280332	10VDFWW	Non-Locking Short Double Pull Tab	White	501	100
280331	10VDFW	Non-Locking Short Single Pull Tab	Black	580	100
280330	10VDFW	Non-Locking Short Single Pull Tab	White	501	100
280950	10VDFL	Non-Locking Single Pull	Black	580	100

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280361

## YKK® VISLON® 10VF No. 10 Sliders – Plastic

Item #	Style #	Description	Color	Color #	Standard Package
280360	10VFTA	AutoLok Single Pull	White	501	100
280361	10VFTA	AutoLok Single Pull	Black	580	100
280364	10VFTX	AutoLok Double Pull	White	501	100
280365	10VFTX	AutoLok Double Pull	Black	580	100
280366	10VFTW	Non-Locking Short Double Pull Tab	White	501	100

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280311

## YKK® VISLON® 10VFUV No. 10 Chain (VF)

Full rolls only.

Item #	Style #	Color	Color #	Standard Package	Width
280311	10VF	Black	580	109 yds.	11/16 in.
280309	10VF	Black	580	55 yds.	11/16 in.
299398	10VF	White	501	109 yds.	11/16 in.
280307	10VF	White	501	55 yds.	11/16 in.

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295641

## YKK® VISLON® 5VS No. 5 Sliders – Metal

Item #	Style #	Description	Color	Color #	Standard Package
295658	5VSDXL	AutoLok Standard Double Pull Tab	Black	580	100
295657	5VSDXL	AutoLok Standard Double Pull Tab	White	501	100
295654	5VSDA	AutoLok Standard Single Pull Tab	Black	580	100
295653	5VSDA	AutoLok Standard Single Pull Tab	White	501	100
295650	5VSDWL	Non-Locking Long Double Pull Tab	Black	580	100
295649	5VSDWL	Non-Locking Long Double Pull Tab	White	501	100
295642	5VSDFL	Non-Locking Long Single Pull Tab	Beige	573	100
295641	5VSDFL	Non-Locking Long Single Pull Tab	Black	580	100
295640	5VSDFL	Non-Locking Long Single Pull Tab	White	501	100
295646	5VSDFW	Non-Locking Short Single Pull Tab	Black	580	100
295645	5VSDFW	Non-Locking Short Single Pull Tab	White	501	100

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295670

## YKK® VISLON® 5VS No. 5 Sliders – Plastic

Item #	Style #	Description	Color	Color #	Standard Package
295674	5VSTX	AutoLok Standard Double Pull Tab	Black	580	100
295670	5VSTA	AutoLok Standard Single Pull Tab	Black	580	100
295669	5VSTA	AutoLok Standard Single Pull Tab	White	501	100
295662	5VSTF	Non-Locking Short Single Pull Tab	Black	580	100
295661	5VSTF	Non-Locking Short Single Pull Tab	White	501	100

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295627

## YKK® VISLON® 5VS No. 5 Chain

Full rolls only.

Item #	Style #	Color	Color #	Standard Package	Width
295630	5VS	Beige	573	218 yds.	9/16 in.
295627	5VS	Black	580	109 yds.	9/16 in.
295628	5VS	Black	580	218 yds.	9/16 in.
295625	5VS	White	501	109 yds.	9/16 in.
295626	5VS	White	501	218 yds.	9/16 in.

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280922

## YKK® VISLON® 8VF No. 8 Sliders – Metal

Item #	Style #	Description	Color	Color #	Standard Package
280938	8VFDXL	AutoLok Long Double Pull Tab	Black	580	1000
280926	8VFDXL	AutoLok Long Double Pull Tab	White	501	1000
280922	8VFDA	AutoLok Single Pull	Black	580	100
280920	8VFDA	AutoLok Single Pull	White	501	100

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280910

## YKK® VISLON® 8VFUV No. 8 Chain

Full rolls only.

Item #	Style #	Color	Color #	Standard Package	Width
280910	8VFUV	Black	580	137 yds.	5/8 in.
280900	8VFUV	White	501	137 yds.	5/8 in.

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279836

## YKK® ZIPLON® Sliders – Metal

Item #	Style #	Description	Color	Color #	Finish	Standard Package
279836	5CND A5	AutoLok Single Pull Tab	Black	580		100
279835	5CND A5	AutoLok Single Pull Tab	White	501		100
280529		AutoLok Single Pull	Black	580		1000
280511	10CFD A3	AutoLok Single Pull	White	501		100
280341	8CFD WL	Non-Locking Long Double Pull Tab	Black	580		100
280368	10CFD WL	Non-Locking Long Double Pull Tab	Black	580		100
279846	5CNDW3L	Non-Locking Long Double Pull Tab	Black	580		100
280339	10CFD WL	Non-Locking Long Double Pull Tab	White	501		100
279845	5CNDW3L	Non-Locking Long Double Pull Tab	White	501		100
279841	5CND FL	Non-Locking Long Single Pull Tab	Black	580		100
280348	10CFD FL	Non-Locking Long Single Pull Tab	Black	580		100
280319	4.5CND FL	Non-Locking Long Single Pull Tab	Black	580		100
280514	8CND FL	Non-Locking Long Single Pull Tab	Black	580		100
279842	5CND FL	Non-Locking Long Single Pull Tab	Gray		Nickel Plated	100
280317	4.5CND FL	Non-Locking Long Single Pull Tab	Gray		Nickel Plated	100
280338	10CFD FL	Non-Locking Long Single Pull Tab	Gray		Nickel Plated	100
280515	8CND FL	Non-Locking Long Single Pull Tab	Gray		Nickel Plated	100
279834	10CFD FL	Non-Locking Long Single Pull Tab	White		Powder Coated	100
279840	5CND FL	Non-Locking Long Single Pull Tab	White	501		100
280510	8CFD FL	Non-Locking Long Single Pull Tab	White	501		100
280349	10CFD FL	Non-Locking Long Single Pull Tab	White	501		100

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279831

## YKK® ZIPLON® Chain (CF)

Full rolls only.

Item #	Style #	Color	Color #	Standard Package	Width
280509	8CF	Beige	573	165 yds.	3/4 in.
280316	10CF	Black	580	109 yds.	3/4 in.
280291	4.5CF	Black	580	218 yds.	5/8 in.
279831	5CF	Black	580	218 yds.	5/8 in.
280505	8CF	Black	580	165 yds.	3/4 in.
280591	8CF	Black	580	165 yds.	5/8 in.
280502	9CF	Black	580	109 yds.	3/4 in.
280315	10CF	White	501	109 yds.	3/4 in.
280290	4.5CF	White	501	218 yds.	5/8 in.
279830	5CF	White	501	218 yds.	5/8 in.
280504	8CF	White	501	165 yds.	3/4 in.

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### YKK® Pull Cord

YKK pull cord with a shell-type zipper cord end and elastic pull cord. Made with a durable black acetal plastic cord end and a highly elastic shock cord, it provides maximum tension and hold. Uses include apparel, accessories, backpacks, luggage, bags, marine and outdoor applications, and more.

Item #	Style #	Color	Cord Size	Length
586090	LCWE	Black	1/10 in.	4.5 in.

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### YKK® VISLON® Bottom Stops

This YKK bottom stop locks the chain to stop the slider where installed. Easily install the zipper stop end with pliers by piercing the prongs through the tape. Made from die-cast zinc with chip-resistant enamel paint. Use the zipper bottom stop for zipper repair, replacement, or custom zipper projects where a sturdy stopper is needed.

Item #	Style #	Color	Color #	Standard Package
280492	10 VF	Black	580	100
295681	5 VS	Black	580	100
280550	10 VF	White	501	100
295680	5 VS	White	501	100

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### YKK® VISLON® Top Stops

Top stops prevent sliders from running off the zipper chain. Easily install the zipper stop end by removing a tooth where the top stop will be placed (one top stop for each side of the zipper). The durable piece of hardware is made from die-cast zinc with enamel paint. Use the zipper top stop for zipper repair, replacement, or custom zipper projects where a sturdy stopper is needed.

Item #	Style #	Color	Color #	Standard Package
280493	10 VF	Black	580	100
280547	10 VF	White	501	100
295682	5 VS	White	501	100
295683	5 VS	Black	580	100

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### YKK® SNAPCAP®

This revolutionary zipper top stop is ready for assembly – simply snap it onto the end of the zipper. This top stop prevents the slider from running off the zipper chain. Use the SNAPCAP zipper top stop for zipper repair, replacement, or custom zipper projects where a sturdy plastic stopper is needed.

Item #	Style #	Color	Color #	Standard Package
280490	10VF	Black	580	2000
280491	10VF	White	501	2000

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### Top Stop No. 10

No. 10 Zipper Top Stop is placed over a tooth on each side of the zipper and bent in place with pliers. It eliminates the need to cut the zipper and chain with a hot knife or sew it down to form a stop. Providing added flexibility, the Stainless Steel Zipper Top Stop can be moved if needed.

Item #	Style #	Material	Standard Package
280974	89001	Stainless Steel	1000



### Zipper Stop Application Tool

Convenient tool designed specifically to apply Zipper Stop to zipper chain, helping eliminate slippage and rotation of the stop. Features a special groove that firmly holds zipper stop in place.

Item #	Style #	Standard Package
255251	1012	1



### Zipper Jig

Save time during zipper installations with the Zipper Jig. This handy tool holds YKK zipper sliders from #2.5 to #10, allowing you to easily install sliders. The lower clamp securely holds the Zipper Jig to a counter, while the upper clamp is used to lock the jig rod in any direction. It even allows you to put a zipper on backwards. The Zipper Jig is 5-1/2 inch x 4-3/4 inch, making it ideal for workstations.

To use simply place the slider upside-down and facing forward into the slot on the rod. Open the zipper one or two inches and hold face down. Feed both sides evenly into the slider held by the rod, coming in at a 45 degree angle. Pull forward and it's done!

Item #	Style #	Standard Package
255252	1014	1

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279872

## YKK® VISLON® UV VFUV No. 10 Separating Zipper Automatic Lock

Engineered especially for marine applications. All element and slider materials are scientifically designed to resist damage from sunlight as well as corrosion. Teeth injection-molded from DuPont™ Delrin®.

UV-resistant acetal resin attached to a strong cord and tape, which ensure the sliders stay on track. The Delrin polymer reduces the effect of ultraviolet radiation, significantly increasing its useful life.

Item #	Style #	Description	Color	Color #	Length	Standard Package
279872	VFUV	Single Pull Metal Slider	Black	32483	108 in.	10
279868	VFUV	Double Pull Metal Slider	Black	41578	144 in.	10
279866	VFUV	Double Pull Nylon Slider	Black	32241	78 in.	10

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279893

## YKK® VISLON® UV VFUV No. 8 Separating Zipper Non-Locking – Double Pull Metal Slider

Engineered especially for marine applications. All element and slider materials are scientifically designed to resist damage from sunlight as well as corrosion. Teeth injection-molded from DuPont™ Delrin®.

UV-resistant acetal resin attached to a strong cord and tape, which ensure the sliders stay on track. The Delrin polymer reduces the effect of ultraviolet radiation, significantly increasing its useful life.

Item #	Style #	Color	Color #	Length	Standard Package
279890	VFUV	Black	32238	18 in.	10
279891	VFUV	Black	32238	24 in.	10
279893	VFUV	Black	32238	36 in.	10
279895	VFUV	Black	32238	42 in.	10
279896	VFUV	Black	32238	48 in.	10
279897	VFUV	Black	32238	54 in.	10
279898	VFUV	Black	32238	60 in.	10
279900	VFUV	Black	32238	72 in.	10
279875	VFUV	White	32438	18 in.	10
279876	VFUV	White	32438	24 in.	10
279878	VFUV	White	32438	36 in.	10
279879	VFUV	White	32438	42 in.	10
279880	VFUV	White	32438	48 in.	10
279881	VFUV	White	32438	54 in.	10
279882	VFUV	White	32438	60 in.	10
279884	VFUV	White	32438	72 in.	10

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296215

## YKK® VISLON® VFOL105W No. 10 Separating Zipper Non-Locking – Double Pull Metal Slider

YKK® No. 10 VISLON® separating zippers are extremely strong and lightweight and differ from conventional zippers, because the “teeth” are made from Delrin® and the tape is polyester. Because of the unique properties of the VISLON zipper, it has a wide variety of industrial, consumer and military applications where environmental conditions reduce the effectiveness of metal zippers.

The VISLON zipper is corrosion resistant. The zipper is self-lubricating and operates smoothly despite mud, sand, etc. The color is an integral part of the molding material, creating a finish that does not rub off, peel or chip.

Item #	Style #	Color	Color #	Length	Standard Package
296215	VFOL105W	Black	580	60 in.	10
296234	VFOL105W	Onion	801	72 in.	10

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280596

## YKK® VISLON® VFUL106 TA No. 10 Separating Zipper With Automatic Lock – Short Single Pull Plastic Slider

YKK® No. 10 VISLON® separating zippers are extremely strong and lightweight and differ from conventional zippers, because the “teeth” are made from Delrin® and the tape is polyester. Because of the unique properties of the VISLON zipper, it has a wide variety of industrial, consumer and military applications where environmental conditions reduce the effectiveness of metal zippers.

The VISLON zipper is corrosion resistant. The zipper is self-lubricating and operates smoothly despite mud, sand, etc. The color is an integral part of the molding material, creating a finish that does not rub off, peel or chip.

Item #	Style #	Color	Color #	Length	Standard Package
280617	VFUL106 TA	Black	580	108 in.	10
280619	VFUL106 TA	Black	580	120 in.	10
280596	VFUL106 TA	Black	580	24 in.	10
280598	VFUL106 TA	Black	580	36 in.	10
280604	VFUL106 TA	Black	580	48 in.	10
280606	VFUL106 TA	Black	580	60 in.	10
280608	VFUL106 TA	Black	580	72 in.	10
280612	VFUL106 TA	Black	580	96 in.	10
280548	VFUL106 TA	White	501	120 in.	10
280520	VFUL106 TA	White	501	24 in.	10
280522	VFUL106 TA	White	501	36 in.	10
280528	VFUL106 TA	White	501	48 in.	10
280532	VFUL106 TA	White	501	60 in.	10
280536	VFUL106 TA	White	501	72 in.	10
280538	VFUL106 TA	White	501	84 in.	10
280540	VFUL106 TA	White	501	96 in.	10

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280243

## YKK® VISLON® VFULVOL-107 DX E No. 10 Separating Zipper With Automatic Lock – Short Double Pull Metal Slider

YKK® No. 10 VISLON® separating zippers are extremely strong and lightweight and differ from conventional zippers, because the “teeth” are made from Delrin® and the tape is polyester. Because of the unique properties of the VISLON zipper, it has a wide variety of industrial, consumer and military applications where environmental conditions reduce the effectiveness of metal zippers.

The VISLON zipper is corrosion resistant. The zipper is self-lubricating and operates smoothly despite mud, sand, etc. The color is an integral part of the molding material, creating a finish that does not rub off, peel or chip.

Item #	Style #	Color	Color #	Length	Standard Package
280243	VFULVOL-107 DX E	Natural	572	96 in.	10

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296180

## YKK® VISLON® VFUVOL-106 DA E No. 10 Separating Zipper With Automatic Lock – Short Single Pull Metal Slider

YKK® No. 10 VISLON® separating zippers are extremely strong and lightweight and differ from conventional zippers, because the “teeth” are made from Delrin® and the tape is polyester. Because of the unique properties of the VISLON zipper, it has a wide variety of industrial, consumer and military applications where environmental conditions reduce the effectiveness of metal zippers.

The VISLON zipper is corrosion resistant. The zipper is self-lubricating and operates smoothly despite mud, sand, etc. The color is an integral part of the molding material, creating a finish that does not rub off, peel or chip.

Item #	Style #	Color	Color #	Length	Standard Package
296196	VFUVOL-106 DA E	Black	580	110 in.	10
296183	VFUVOL-106 DA E	Black	580	12 in.	10
296198	VFUVOL-106 DA E	Black	580	120 in.	10
296199	VFUVOL-106 DA E	Black	580	144 in.	10
296180	VFUVOL-106 DA E	Black	580	24 in.	10
296182	VFUVOL-106 DA E	Black	580	36 in.	10
296184	VFUVOL-106 DA E	Black	580	42 in.	10
296185	VFUVOL-106 DA E	Black	580	48 in.	10
296186	VFUVOL-106 DA E	Black	580	54 in.	10
296187	VFUVOL-106 DA E	Black	580	60 in.	10
296190	VFUVOL-106 DA E	Black	580	72 in.	10
296192	VFUVOL-106 DA E	Black	580	84 in.	10
296194	VFUVOL-106 DA E	Black	580	96 in.	10
296178	VFUVOL-106 DA E	White	501	120 in.	10
296179	VFUVOL-106 DA E	White	501	144 in.	10
296156	VFUVOL-106 DA E	White	501	18 in.	10
296160	VFUVOL-106 DA E	White	501	24 in.	10
296162	VFUVOL-106 DA E	White	501	36 in.	10
296165	VFUVOL-106 DA E	White	501	48 in.	10
296167	VFUVOL-106 DA E	White	501	60 in.	10
296170	VFUVOL-106 DA E	White	501	72 in.	10
296172	VFUVOL-106 DA E	White	501	84 in.	10
296174	VFUVOL-106 DA E	White	501	96 in.	10

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296119

# YKK® VISLON® VFUVOL-107 DX E No. 10 Separating Zipper With Automatic Lock – Short Double Pull Metal Slider

YKK® No. 10 VISLON® separating zippers are extremely strong and lightweight and differ from conventional zippers, because the “teeth” are made from Delrin® and the tape is polyester. Because of the unique properties of the VISLON zipper, it has a wide variety of industrial, consumer and military applications where environmental conditions reduce the effectiveness of metal zippers.

The VISLON zipper is corrosion resistant. The zipper is self-lubricating and operates smoothly despite mud, sand, etc. The color is an integral part of the molding process, creating a finish that does not rub off, peel or chip.

Item #	Style #	Color	Color #	Length	Standard Package
296145	VFUVOL-107 DX E	Black	580	100 in.	10
296147	VFUVOL-107 DX E	Black	580	108 in.	10
296149	VFUVOL-107 DX E	Black	580	110 in.	10
296118	VFUVOL-107 DX E	Black	580	12 in.	10
296151	VFUVOL-107 DX E	Black	580	120 in.	10
296116	VFUVOL-107 DX E	Black	580	16 in.	10
296120	VFUVOL-107 DX E	Black	580	18 in.	10
296119	VFUVOL-107 DX E	Black	580	20 in.	10
296122	VFUVOL-107 DX E	Black	580	24 in.	10
296154	VFUVOL-107 DX E	Black	580	240 in.	10
296124	VFUVOL-107 DX E	Black	580	30 in.	10
296125	VFUVOL-107 DX E	Black	580	34 in.	10
296126	VFUVOL-107 DX E	Black	580	36 in.	10
296128	VFUVOL-107 DX E	Black	580	40 in.	10
296129	VFUVOL-107 DX E	Black	580	42 in.	10
296134	VFUVOL-107 DX E	Black	580	46 in.	10
296131	VFUVOL-107 DX E	Black	580	48 in.	10
296133	VFUVOL-107 DX E	Black	580	54 in.	10
296135	VFUVOL-107 DX E	Black	580	60 in.	10
296137	VFUVOL-107 DX E	Black	580	66 in.	10
296142	VFUVOL-107 DX E	Black	580	68 in.	10
296139	VFUVOL-107 DX E	Black	580	72 in.	10
296144	VFUVOL-107 DX E	Black	580	76 in.	10
296146	VFUVOL-107 DX E	Black	580	80 in.	10
296141	VFUVOL-107 DX E	Black	580	84 in.	10
296148	VFUVOL-107 DX E	Black	580	90 in.	10
296143	VFUVOL-107 DX E	Black	580	96 in.	10
296265	VFUVOL-107 DX E	Light Beige	573	120 in.	10
296270	VFUVOL-107 DX E	Light Beige	573	144 in.	10
296233	VFUVOL-107 DX E	Light Beige	573	18 in.	10
296236	VFUVOL-107 DX E	Light Beige	573	24 in.	10
296237	VFUVOL-107 DX E	Light Beige	573	30 in.	10
296239	VFUVOL-107 DX E	Light Beige	573	36 in.	10
296242	VFUVOL-107 DX E	Light Beige	573	42 in.	10
296245	VFUVOL-107 DX E	Light Beige	573	48 in.	10
296248	VFUVOL-107 DX E	Light Beige	573	54 in.	10
296251	VFUVOL-107 DX E	Light Beige	573	60 in.	10
296254	VFUVOL-107 DX E	Light Beige	573	72 in.	10
296257	VFUVOL-107 DX E	Light Beige	573	84 in.	10
296260	VFUVOL-107 DX E	Light Beige	573	96 in.	10

Item #	Style #	Color	Color #	Length	Standard Package
296089	VFUVOL-107 DX E	White	501	100 in.	10
296091	VFUVOL-107 DX E	White	501	108 in.	10
296092	VFUVOL-107 DX E	White	501	110 in.	10
296094	VFUVOL-107 DX E	White	501	120 in.	10
296098	VFUVOL-107 DX E	White	501	144 in.	10
296099	VFUVOL-107 DX E	White	501	154 in.	10
296061	VFUVOL-107 DX E	White	501	18 in.	10
296063	VFUVOL-107 DX E	White	501	24 in.	10
296105	VFUVOL-107 DX E	White	501	240 in.	10
296065	VFUVOL-107 DX E	White	501	30 in.	10
296068	VFUVOL-107 DX E	White	501	36 in.	10
296069	VFUVOL-107 DX E	White	501	40 in.	10
296070	VFUVOL-107 DX E	White	501	42 in.	10
296072	VFUVOL-107 DX E	White	501	48 in.	10
296074	VFUVOL-107 DX E	White	501	54 in.	10
296076	VFUVOL-107 DX E	White	501	60 in.	10
296080	VFUVOL-107 DX E	White	501	66 in.	10
296082	VFUVOL-107 DX E	White	501	72 in.	10
296084	VFUVOL-107 DX E	White	501	78 in.	10
296086	VFUVOL-107 DX E	White	501	84 in.	10
296087	VFUVOL-107 DX E	White	501	90 in.	10
296088	VFUVOL-107 DX E	White	501	96 in.	10

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280681

## YKK® VISLON® VFUVOL-86 DA E No. 8 Separating Zipper With Automatic Lock – Short Single Pull Metal Slider

YKK® No. 8 VISLON® separating zippers are extremely strong and lightweight and differ from conventional zippers, because the “teeth” are made from Delrin® and the tape is polyester. Because of the unique properties of the VISLON zipper, it has a wide variety of industrial, consumer and military applications where environmental conditions reduce the effectiveness of metal zippers.

The VISLON zipper is corrosion resistant. The zipper is self-lubricating and operates smoothly despite mud, sand, etc. The color is an integral part of the molding material, creating a finish that does not rub off, peel or chip.

Item #	Style #	Color	Color #	Length	Standard Package
280692	VFUVOL-86 DA E	Black	580	48 in.	10
280681	VFUVOL-86 DA E	White	501	42 in.	10
280682	VFUVOL-86 DA E	White	501	48 in.	10

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280758

# YKK® VISLON® VFUVOL-87 DXL E No. 8 Separating Zipper With Automatic Lock – Long Double Pull Metal Slider

YKK® No. 8 VISLON® separating zippers are extremely strong and lightweight and differ from conventional zippers, because the “teeth” are made from Delrin® and the tape is polyester. Because of the unique properties of the VISLON zipper, it has a wide variety of industrial, consumer and military applications where environmental conditions reduce the effectiveness of metal zippers.

The VISLON zipper is corrosion resistant. The zipper is self-lubricating and operates smoothly despite mud, sand, etc. The color is an integral part of the molding material, creating a finish that does not rub off, peel or chip.

Item #	Style #	Color	Color #	Length	Standard Package
280770	VFUVOL-87 DXL E	Black	580	110 in.	10
280772	VFUVOL-87 DXL E	Black	580	120 in.	10
280740	VFUVOL-87 DXL E	Black	580	18 in.	10
280741	VFUVOL-87 DXL E	Black	580	22 in.	10
280742	VFUVOL-87 DXL E	Black	580	24 in.	10
280744	VFUVOL-87 DXL E	Black	580	30 in.	10
280746	VFUVOL-87 DXL E	Black	580	36 in.	10
280748	VFUVOL-87 DXL E	Black	580	40 in.	10
280750	VFUVOL-87 DXL E	Black	580	42 in.	10
280752	VFUVOL-87 DXL E	Black	580	48 in.	10
280754	VFUVOL-87 DXL E	Black	580	54 in.	10
280756	VFUVOL-87 DXL E	Black	580	60 in.	10
280758	VFUVOL-87 DXL E	Black	580	66 in.	10
280760	VFUVOL-87 DXL E	Black	580	72 in.	10
280762	VFUVOL-87 DXL E	Black	580	78 in.	10
280764	VFUVOL-87 DXL E	Black	580	84 in.	10
280766	VFUVOL-87 DXL E	Black	580	96 in.	10
280810	VFUVOL-87 DXL E	Gray	576	110 in.	10
280787	VFUVOL-87 DXL E	Gray	576	38 in.	10
280792	VFUVOL-87 DXL E	Gray	576	48 in.	10
280796	VFUVOL-87 DXL E	Gray	576	60 in.	10
280800	VFUVOL-87 DXL E	Gray	576	72 in.	10
280804	VFUVOL-87 DXL E	Gray	576	84 in.	10
280806	VFUVOL-87 DXL E	Gray	576	96 in.	10
280730	VFUVOL-87 DXL E	White	501	110 in.	10
280732	VFUVOL-87 DXL E	White	501	120 in.	10
280700	VFUVOL-87 DXL E	White	501	18 in.	10
280702	VFUVOL-87 DXL E	White	501	24 in.	10
280704	VFUVOL-87 DXL E	White	501	30 in.	10
280706	VFUVOL-87 DXL E	White	501	36 in.	10
280707	VFUVOL-87 DXL E	White	501	38 in.	10
280710	VFUVOL-87 DXL E	White	501	42 in.	10
280712	VFUVOL-87 DXL E	White	501	48 in.	10
280714	VFUVOL-87 DXL E	White	501	54 in.	10
280717	VFUVOL-87 DXL E	White	501	56 in.	10
280716	VFUVOL-87 DXL E	White	501	60 in.	10
280720	VFUVOL-87 DXL E	White	501	72 in.	10
280722	VFUVOL-87 DXL E	White	501	78 in.	10
280724	VFUVOL-87 DXL E	White	501	84 in.	10
280726	VFUVOL-87 DXL E	White	501	96 in.	10

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280446

## YKK® VISLON® VFUVOL107TX No. 10 Separating Zipper With Automatic Lock – Double-Pull Plastic Slider

YKK® No. 10 VISLON® separating zippers are extremely strong and lightweight and differ from conventional zippers, because the “teeth” are made from Delrin® and the tape is polyester. Because of the unique properties of the VISLON zipper, it has a wide variety of industrial, consumer and military applications where environmental conditions reduce the effectiveness of metal zippers.

The VISLON zipper is corrosion resistant. The zipper is self-lubricating and operates smoothly despite mud, sand, etc. The color is an integral part of the molding material, creating a finish that does not rub off, peel or chip.

Item #	Style #	Color	Color #	Length	Standard Package
280442	VFUVOL107TX	Black	580	100 in.	10
280444	VFUVOL107TX	Black	580	108 in.	10
280446	VFUVOL107TX	Black	580	110 in.	10
280448	VFUVOL107TX	Black	580	120 in.	10
280418	VFUVOL107TX	Black	580	18 in.	10
280420	VFUVOL107TX	Black	580	24 in.	10
280421	VFUVOL107TX	Black	580	30 in.	10
280422	VFUVOL107TX	Black	580	36 in.	10
280424	VFUVOL107TX	Black	580	40 in.	10
280426	VFUVOL107TX	Black	580	42 in.	10
280428	VFUVOL107TX	Black	580	48 in.	10
280430	VFUVOL107TX	Black	580	54 in.	10
280432	VFUVOL107TX	Black	580	60 in.	10
280434	VFUVOL107TX	Black	580	66 in.	10
280436	VFUVOL107TX	Black	580	72 in.	10
280438	VFUVOL107TX	Black	580	84 in.	10
280440	VFUVOL107TX	Black	580	96 in.	10
280242	VFUVOL107TX	White	501	100 in.	10
280244	VFUVOL107TX	White	501	108 in.	10
280246	VFUVOL107TX	White	501	110 in.	10
280248	VFUVOL107TX	White	501	120 in.	10
280218	VFUVOL107TX	White	501	18 in.	10
280220	VFUVOL107TX	White	501	24 in.	10
280221	VFUVOL107TX	White	501	30 in.	10
280222	VFUVOL107TX	White	501	36 in.	10
280224	VFUVOL107TX	White	501	40 in.	10
280226	VFUVOL107TX	White	501	42 in.	10
280228	VFUVOL107TX	White	501	48 in.	10
280230	VFUVOL107TX	White	501	54 in.	10
280232	VFUVOL107TX	White	501	60 in.	10
280234	VFUVOL107TX	White	501	66 in.	10
280236	VFUVOL107TX	White	501	72 in.	10
280237	VFUVOL107TX	White	501	78 in.	10
280238	VFUVOL107TX	White	501	84 in.	10
280240	VFUVOL107TX	White	501	96 in.	10

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295685

# YKK® VISLON® VSOL56 No. 5 Separating Zipper With Automatic Lock – Short Single Pull Metal Slider

YKK® No. 5 VISLON® separating zippers are extremely strong and lightweight and differ from conventional zippers, because the “teeth” are made from Delrin® and the tape is polyester. Because of the unique properties of the VISLON zipper, it has a wide variety of industrial, consumer and military applications where environmental conditions reduce the effectiveness of metal zippers.

The VISLON zipper is corrosion resistant. The zipper is self-lubricating and operates smoothly despite mud, sand, etc. The color is an integral part of the molding material, creating a finish that does not rub off, peel or chip.

Item #	Style #	Color	Color #	Length	Standard Package
295728	VSOL56	Black	580	108 in.	10
295711	VSOL56	Black	580	12 in.	10
295730	VSOL56	Black	580	144 in.	10
295743	VSOL56	Black	580	18 in.	10
295713	VSOL56	Black	580	24 in.	10
295714	VSOL56	Black	580	30 in.	10
295715	VSOL56	Black	580	36 in.	10
295716	VSOL56	Black	580	42 in.	10
295717	VSOL56	Black	580	44 in.	10
295745	VSOL56	Black	580	46 in.	10
295718	VSOL56	Black	580	48 in.	10
295685	VSOL56	Black	580	52 in.	10
295719	VSOL56	Black	580	54 in.	10
295720	VSOL56	Black	580	60 in.	10
295722	VSOL56	Black	580	72 in.	10
295724	VSOL56	Black	580	84 in.	10
295726	VSOL56	Black	580	96 in.	10
295707	VSOL56	White	501	108 in.	10
295690	VSOL56	White	501	12 in.	10
295709	VSOL56	White	501	144 in.	10
295692	VSOL56	White	501	24 in.	10
295693	VSOL56	White	501	30 in.	10
295694	VSOL56	White	501	36 in.	10
295695	VSOL56	White	501	42 in.	10
295687	VSOL56	White	501	46 in.	10
295697	VSOL56	White	501	48 in.	10
295698	VSOL56	White	501	54 in.	10
295699	VSOL56	White	501	60 in.	10
295701	VSOL56	White	501	72 in.	10
295703	VSOL56	White	501	84 in.	10
295705	VSOL56	White	501	96 in.	10

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280085

## YKK® VISLON® VFUVOL-86 DA E 5/8 No. 8 Separating Zipper With Automatic Lock – Single Pull Metal Slider

Item #	Style #	Color	Length	Standard Package
280085	VFUVOL86 DA E 5/8	Black	60 in.	10

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295778

## YKK® ZIPLON® CFOR-106 DA E No. 10 Separating Zipper with Automatic Lock – Single Pull Metal Slider

Item #	Style #	Color	Color #	Length	Standard Package
295779	CFOR-106 DA E	Black	580	108 in.	10
295767	CFOR-106 DA E	Black	580	36 in.	10
295769	CFOR-106 DA E	Black	580	48 in.	10
295771	CFOR-106 DA E	Black	580	60 in.	10
295773	CFOR-106 DA E	Black	580	72 in.	10
295777	CFOR-106 DA E	Black	580	96 in.	10
295778	CFOR-106 DA E	White	501	108 in.	10
295766	CFOR-106 DA E	White	501	36 in.	10
295768	CFOR-106 DA E	White	501	48 in.	10
295770	CFOR-106 DA E	White	501	60 in.	10
295772	CFOR-106 DA E	White	501	72 in.	10
295774	CFOR-106 DA E	White	501	84 in.	10
295776	CFOR-106 DA E	White	501	96 in.	10

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295973

## YKK® ZIPLON® CFOR-105 DWL E No. 10 Separating Zipper Non-Locking – Double Pull Metal Slider

Item #	Style #	Color	Color #	Length	Standard Package
295973	CFOR-105 DWL E	Black	580	108 in.	10
295961	CFOR-105 DWL E	Black	580	36 in.	10
295963	CFOR-105 DWL E	Black	580	48 in.	10
295965	CFOR-105 DWL E	Black	580	60 in.	10
295967	CFOR-105 DWL E	Black	580	72 in.	10
295969	CFOR-105 DWL E	Black	580	84 in.	10
295971	CFOR-105 DWL E	Black	580	96 in.	10
295972	CFOR-105 DWL E	White	501	108 in.	10
295960	CFOR-105 DWL E	White	501	36 in.	10
295962	CFOR-105 DWL E	White	501	48 in.	10
295964	CFOR-105 DWL E	White	501	60 in.	10
295968	CFOR-105 DWL E	White	501	84 in.	10
295970	CFOR-105 DWL E	White	501	96 in.	10

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279813

YKK® ZIPPY COOL®

This two-part product includes a cleaner and lubricant. It is specially formulated for use on all types of metal and plastic zippers. The patented push/pull dispenser brush removes harmful dirt, sand and salt. After rinsing, it leaves a protective film on the zipper. Lubrication on the zipper will not flake or cause jams, even in extreme temperatures. It contains no silicone or paraffin.

Item #	Description	Standard Package
279813	Zippy Cleaner and Lubricant	1

YKK® and ZIPPY COOL® are registered trademarks of YKK Corporation in Japan and other countries/regions.



279800

Zipzap Lubricants

Extends the life of the zipper. Cleans and lubricates plastic, nylon, and metal zippers, without collecting dirt, sand or organic residue. The wax provides smooth zipper teeth operation, and the fluid cleans and lubricates the zipper action.

Item #	Description	Put Up	Standard Package
279800	Fluid	2 oz.	1



202475

Awl – Automatic

The No. 413 Automatic Awl is used for sewing leather and canvas. This tool carries a spool of thread on the handle and includes an extra curved needle and wrench.



202476

Item #	Style #	Description	Standard Package
202475	413	Automatic Awl	1
202476	413N-5	Automatic Awl Straight Needle	1
202479	413N-8	Automatic Awl Straight Needle	1



202469

Awl – Heavy-Duty Scratch No. 4

Scratch Awl comes with a plastic handle and quality steel blade. It's used to mark surfaces for cutting and fabrication and for holding down fabric while working.

Item #	Style #	Blade Size	Standard Package
202469	1	2-1/2 in.	1
202470	2	3-1/2 in.	1



248232

Binder

This inexpensive universal binder attachment is ideal for use with 3/4 inch and 1 inch acrylic bindings. It comes with a universal plate assembly so it fits almost any commercial sewing machine. The opening is wide enough so that two edge turn bias cut binding slides smoothly and effortlessly through the attachment.

Item #	Style #	Description	Size	Standard Package	Type
248231	100LS	Universal Binder with Plate	3/4 in.	1	Plain
248232	100LS	Universal Binder with Plate	1 in.	1	Plain



275441

DrillSteady Drill For Stainless Tubing

DrillSteady uses 9/64 inch drill bit for No. 8 screw or fastener. Unique design allows drilling on installed frames, corners, or anywhere.

Item #	Style #	Standard Package
275441	3587	1

## DOT® Snapmaster M840

The M840 hand press incorporates many features of bench and foot presses in a portable and cost-effective tool. Ideal for installing DOT® Durable™, Pull-The-Dot®, Lift-The-Dot® and curtain fasteners. Replacement parts available.



216110



216133



216134

Item #	Style #	Description	For Use With	Standard Package
216116	4201	Clinch Plate	16506 DOT Lift-The-Dot Clinch Plate	1
216115	4101	Cutting Punch	16205 DOT Lift-The-Dot Socket	1
216136	4405	Setting Die Cap	18100 DOT Pull-The-Dot Button	1
216134	4203	Setting Die	78403 Curtain Fastener Eyelet	1
216118	4401	Setting Die	16506 DOT Lift-The-Dot Clinch Plate	1
216125	4402	Setting Die	78505 Curtain Fastener Washer	1
216130	4403	Setting Die	10127/10128 DOT Durable Button	1
216132	4404	Setting Die	10412 DOT Durable Eyelet	1
216133	4103	Setting Punch	78403 Curtain Fastener Eyelet	1
216117	4301	Setting Punch	16205 DOT Lift-The-Dot Socket	1
216124	4302	Setting Punch	78403 Curtain Fastener Eyelet	1
216129	4303	Setting Punch	10224 DOT Durable Socket	1
216131	4304	Setting Punch	10370 DOT Durable Stud	1
216135	4305	Setting Punch	18201 DOT Pull-The-Dot Socket	1
216110		Snapmaster Hand Press M840		1

DOT®, Lift-The-Dot® and Pull-The-Dot® are registered trademarks of Scovill Fasteners, Inc. Durable™ is a trademark of Scovill Fasteners, Inc.

## Hand Tools For DOT® Common Sense® Fasteners



216045



216047

Item #	Style #	Description	For	Standard Package
216050	89-450E	Common Sense Fastener Cutter	Use with cutting pad (Item No. 223449). For BS-78403 (No. 400) Eyelet.	1
216045	C4-450	Common Sense Fastener Cutter	Use with cutting pad (#223449). For BS-78403 (No. 400) Eyelet.	1
223509	9578	Common Sense Machine Die		1
216047	QTTL	Common Sense Quick Turn Lock Driver	Use with 1/4 in. cordless screw driver or drill motor to install XX-78315, XX-78324, XX-78325, X8-78324, XB-78324 or XB-78325 turn buttons.	1
216048	QTTL-N	Common Sense Quick Turn Lock Driver	Use with 1/4 in. cordless screw driver or drill motor to install 404, 405, XB-404 or XB-405 turn buttons.	1
275445	4000	Curtain Fastener Cutter		1
275584	89-9908	Screwdriver for Curtain Fastener		1
275444	4100	Turn Button Cutter		1

DOT® and Common Sense® are registered trademarks of Scovill Fasteners, Inc.





248161

## Hand Tools For DOT® Lift-The-Dot® Fasteners

Item #	Style #	Description	For	Standard Package
275501	9951E	Hand Cutting Punch for XX-16205/XX-16206	Use with cutting pad (#223449). For XX-16205 socket with chisel point.	1
275575	171	Hand Punch for BS-78332/BS-78333/BS-16349	Use with cutting pad (#223449).	1
248162	71-177	Lift-The-Dot Cutting Punch	For 90-16349, 91-78322 and 91-78333.	1
248161	L6-9951	Lift-The-Dot Hand Punch		1
275502	169B	Screwdriver for Lift-The-Dot Studs		1

DOT® and Lift-The-Dot® are registered trademarks of Scovill Fasteners, Inc.



275504



275564

## Hand Tools For DOT® Durable™ or Glove Button Fasteners

Item #	Style #	Description	For	Standard Package
275583	1482	Die for Baby Durable 12105 Cap		1
275587	1488	Die for Baby Durable 12404/12405/12407 Post		1
248160	164H	Hand Punch		1
275504	169N	Phillips Head Screwdriver for Durable DOT	Use with X8-10301, X8-10302, XX-10362, X8-10393, XB-10393, X8-10704, XX-10708 and X8-10934 studs.	1
275588	9323	Punch for Baby Durable 12205/12206 Socket		1
275507	9772	Setting Die for Baby Durable 12302/12303		1
275564	164	Setting Punch for Durable DOT		1

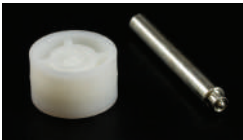
DOT® is a registered trademark of Scovill Fasteners, Inc. Durable™ is a trademark of Scovill Fasteners, Inc.

## Hand Tools for Fasnap® Fasteners

For setting Fasnap One-Way-Lift® socket/washers, turn fastener eyelets/washers and SnapFast® products. Contains a turn fastener driver.

Item #	Standard Package
275612	1

FASNAP®, One-Way-Lift® and SnapFast® are registered trademarks of The FASNAP Corporation.



248133

## Fabric Fastener Kit

This die setting kit is used for installing DOT® Durable™ fasteners. The fabric fastener kit comes with a hand punch and fastener die for swift install. Use for setting DOT® Durable™ 10128 buttons, 10224 sockets, 10370 studs, and 10412 posts (all sold separately). The fasteners are ideal for use on canvas, tarps, tents, awnings, sailcloth, patio furniture, and more.

Item #	Style #	Description	Standard Package
248133	USC1T	Nos. 9896 and 9897 setting tools (2 pieces each bag)	1

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256071

## Hand Press No. M-380E

Easily mounted to a wooden table or bench, this hand-operated press is designed to quickly and securely attach a wide assortment of metal and plastic fasteners. Interchangeable with all hand and foot machine dies, this hand press is a required tool for fabricators and features an adjustable lower die holder for greater flexibility and creativity.

Item #	Style #	Height	Standard Package	Weight
256071	M-380E	12 "	1	7 lbs.



223512



223510

## Hand Press No. M-380E – Dies For DOT® Durable™ Fasteners

Item #	Style #	For Use With	Standard Package
223512	1412	BS-10370 Stud	1
223507	1407	BS-10412 eyelet	1
223501	1401	X2-10128/X2-10127 Button	1
223510	1410	XB-10224 Socket	1
275580	9557	XB-10342 Stud	1

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223558



275577

## Hand Press No. M-380E – Dies for DOT® Pull-The-Dot® Fasteners

Item #	Style #	For Use With	Standard Package
223560	8059	XX-18201 socket	1
223558	9758	XE-18100 button	1
275577	9760	BS-18303 stud	1

DOT® and Pull-The-Dot® are registered trademarks of Scovill Fasteners, Inc.



248113



248111



248114



248112

## Pliers – VISE-GRIP® Dies for DOT® Durable™

Item #	Style #	Description	For Use With	Standard Package
248113	MT480B	Metal Anvil Die	BS-10412 Eyelet #MT480B	1
248111	MT479B	Metal Anvil Die	X2-10128 Button #MT479B	1
248114	MT489A	Metal Clincher Die	BS-10370 Stud #MT489A	1
248112	MT482A	Metal Clincher Die	XB-10224 Socket #MT482B	1

VISE-GRIP® is a registered trademark of Irwin Tools. DOT® is a registered trademark of Scovill Fasteners, Inc. Durable™ is a trademark of Scovill Fasteners, Inc.



Pres-N-Snap®

Item #	Description	For Use With	Standard Package
275411	Baby Durable Die Set		1
275398	Bench Mount		1
275401	Die	#10128 Button	1
275404	Die	#10224 Socket	1
275428	Die	#10342 Gypsy Stud	1
275402	Die	#10370 Stud	1
275397	Die	#10379 Stud	1
275403	Die	#10412 Eyelet	1
275412	Die	#BS-16509 Washer	1
275413	Die	#XB-16358 Stud	1
275399	Frame		1
275417	Handle		1
275427	Lever		1
275405	M-2700 Rubber Ring	DOT Durable Dies	1
275415	Plunger		1
275400	Pres-N-Snap Complete Toolkit		1
275409	Rubber O-Ring		10
248172	Rubber O-Ring	#12 Stud Black	10
275416	Spring		1

275400 - Includes dies for 10128, 10224, 10370, 10412 durable fasteners – plus die for No. 1 grommet with plain washer.

Pres-N-Snap® is a registered trademark of Hoover Products. DOT® is a registered trademark of Scovill Fasteners, Inc. Durable™ is a trademark of Scovill Fasteners, Inc.



Pres-N-Snap® – Grommet Dies

Item #	Description	For Use With	Standard Package
248167	Die Set	91-XB-78317-2G (#230377), 91-XB-78317-1A (#230549)	1
275422	Die Set	No. 0 Plain Grommets	1
275434	Die Set	No. 0 Self-Piercing Grommets	1
275421	Die Set	No. 00 Plain Grommets	1
275432	Die Set	No. 1 Grommets with Spur Washers	1
275419	Die Set	No. 1 Plain Grommets	1
275431	Die Set	No. 1 Self-Piercing Grommets	1
275420	Die Set	No. 2 Plain Grommets	1
275430	Die Set	No. 2 Self-Piercing Grommets	1
275425	Hole Punch	No. 1 Grommets	1
275426	Hole Punch	No. 2 Grommets	1

Pres-N-Snap® is a registered trademark of Hoover Products. DOT® is a registered trademark of Scovill Fasteners, Inc. Durable™ is a trademark of Scovill Fasteners, Inc.



275590

## Quick-Fit™ Tool Kit

Quick-Fit holding tool snaps on to existing studs and provides a quick and easy way to hold material while fitting — no clamps necessary. Quick-Fit holds material in place on the holding pin, especially on a windy day. Quick-Fit release tool easily installs and removes the holding pin from the stud. Quick-Fit tools are great for fitting with material and also holding paper or plastic when making a pattern. Can be used over and over on job after job. Can be used on boat cockpit covers, side curtains, enclosures, console covers, carpet and pickup truck tonneau covers. Quick-Fit holding tools accurately mark the fabric cover where the snap sockets are to be placed.

Quick-Fit Tool Kit includes 25 Quick-Fit Caps, 50 Quick-Fit Sockets and 1 Quick-Fit Release Tool.

Item #	Description	Standard Package
275590	Tool Kit	1
275591	Caps	25
275595	Sockets with Points	25
275596	Release Tool	1

Quick-Fit™ is a trademark of Quick Fit Canvas Tools.



256430

## Hole Punch

Excellent for punching screw holes in aluminum molding, without leaving burred edges.

Makes a 1/8 inch or 3/16 inch hole. Punch is constructed from high-quality tool steel used in commercial high-production punch press dies. Body is lightweight, die cast aluminum with rust-resistant, nickel-plated steel handles and parts. Features a non-slip cushion handle grip.

Item #	Style #	Size	Standard Package
256430	HP18K	1/8 in. to 3/16 in. holes	1



248501



248502



248506

## Engel Hot Knife

Cuts and seals the edges of synthetic fabrics to prevent fraying. The knife can be used with a cutting foot to eliminate the need for a special cutting base or surface. Designed for intermittent operation, the knife heats up in six to eight seconds. Temperature is controlled by a convenient trigger switch. All items are sold separately.

Use in well ventilated areas.

Item #	Style #	Description	Standard Package
248501	C851	Engel HSG-O Electric Hot Knife Cutter	1
248502	C852	Engel Hot Knife Blade 100R	1
248506	C856	Engel Hot Knife Cutting Foot	1



248185

## Fasnap® PM5 Grommet Machine

The PM5 machine is an industry standard bench-mounted machine. It is made of tough ductile iron and has a deep throat with a longer padded handle. This machine uses standard 3/8 inch diameter shank dies that set self-piercing grommets up to size 300 (#4), and snap fasteners in one motion, swiftly and efficiently. Throat depth: 4-3/4 inch. Dies sold separately.

Item #	Description	Standard Package
248185	Fasnap PM5 Grommet Machine	1

FASNAP® is a registered trademark of The FASNAP Corporation.



252248

## Hand Notcher

Fast and easy cutting. Notcher makes a clean 30°, "V"-shaped cut in sheet metal. 13/16 inch maximum throat depth. Upper cutting jaw is drop forged, high-impact alloy steel. Hook design of cutting jaw facilitates notching to desired depth without slippage. Nickel plated and black oxide finish. Blue grips.

Item #	Style #	Length	Standard Package	Weight
252248	N1	8 in.	1	1 lb.





256094



256095



256098

### Multi-Duty Hand Press No. W-1

This Osborne high quality hand machine cuts fabric and covers buttons. It uses 2 piece dies and short cutters. This hand machine has a reinforced frame and handle. It bolts to a table for added stability. The machine handles between 80-120 buttons per hour. It can also be used to set snaps, grommets and ventilators.

Item #	Style #	Description	Standard Package
256095	W-1H	Handle	1
256094	W-1	Osborne Multi-Duty Hand Press #W-1	1
256098	W-1 SPRING	Top Spring	1



256300

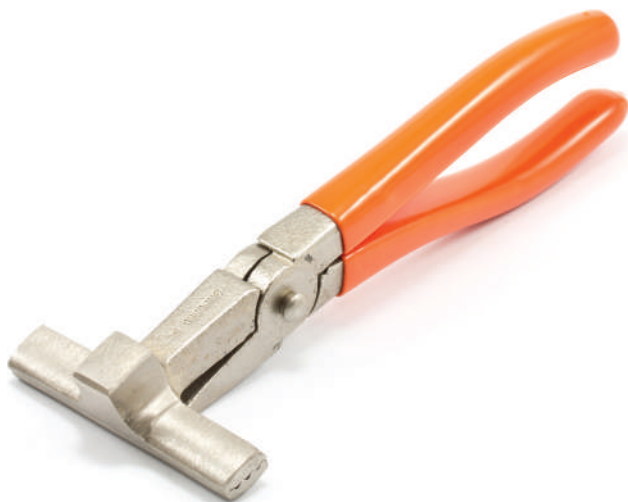


256324

### Multi-Duty Hand Press No. W-1 – Dies

Dies for setting snaps, grommets, and ventilators for the Osborne Multi-Duty Hand Press #W-1 (Item# 256094).

Item #	Style #	Description	Size	Size Hole	Standard Package
216491	WDIS-GRC2-75837	Setting Die and Hole Cutter #2 for Spur Washer	2	3/8 in.	1
256299	WDIGRC00	Setting Die #00 For Plain Washer	00		1
256300	WDIGRC0	Setting Die #0 For Plain Washer	0		1
256301	WDIGRC1	Setting Die #1 For Plain Washer	1		1
256302	WDIGRC2	Setting Die #2 For Plain Washer	2		1
256303	WDIGRC3	Setting Die #3 For Plain Washer	3		1
256304	WDIGRC4	Setting Die #4 For Plain Washer	4		1
256320	WDISGRC0	Setting Die #0 for Spur Washer	0		1
256321	WDISGRC1	Setting Die #1 for Spur Washer	1		1
256322	WDISGRC2	Setting Die #2 for Spur Washer	2		1
256323	WDISGRC3	Setting Die #3 for Spur Washer	3		1
256324	WDISGRC4	Setting Die #4 for Spur Washer	4		1
256333	WDIVS	Ventilator Die 3/4 in.			1
256334	684	Ventilator 3/4 in.			1



255250

## Pliers – Fabric Pulling Pliers No. 250

No. 250 plier is made with a hammer jaw. The hammer acts as a lever if a strong pull is required. This is an excellent tool for stretching canvas and leather as well as webbing. It is ideal for pulling fabric over frames.

Item #	Style #	Length	Standard Package
255250	250	8-1/2 in.	1



256440

## Revolving Punch No. 155

Used to punch holes in soft fabrics and leather goods. Made for tube sizes 1, 2, 3, 4, 5 and 6. The frame is made of highly polished forged steel. The cutting tubes are hand turned from high carbon tool steel and threaded to allow easy replacement.

Item #	Style #	Length	Standard Package	Weight
256440	155	8-1/2 in.	1	1 lb.



256452

## Revolving Punch No. 155 – Cutting Tube Kit

Item #	Style #	Standard Package
256452	155T	1



256442

## Revolving Punch No. 155 – Cutting Tubes

Item #	Style #	Size	Standard Package
256441	155T-1	3/32 in.	1
256442	155T-2	7/64 in.	1
256443	155T-3	1/8 in.	1
256444	155T-4	5/32 in.	1
256445	155T-5	11/64 in.	1
256446	155T-6	3/16 in.	1



256448

## Revolving Punch No. 155 – Punch Anvil

A copper replacement base for the No. 155 Revolving Punch. The soft copper composition of this base is gentle on dies to provide longer service life.

Item #	Style #	Standard Package
256448	155A	1



268120

## Sewing Kit

Exclusively from Trivantage®, our Sewing Kit puts sewing solutions right at your fingertips. This durable and useful kit can be used on a variety of fabrics and projects. The kit contains:

- Small curved scissor – Makes working on sewing machine threads much easier.
- Bent scissor – Great for cutting small threads and material that is close to a sewing machine needle.
- Solid ball seam ripper – This heavy-duty alternative to plastic seam rippers is primarily used for window replacements.
- Staple remover – Removes staples from fabric or upholstery easily and without pulls. Each tool is made from handcrafted stainless steel.

Item #	Standard Package
268120	1

Trivantage® is a registered trademark of Glen Raven, Inc.



214301

## Thread Nippers

This 4.5-inch thread snip is sharp enough to trim even the finest fiber. Hot forged and fully double-plated with chrome over nickel, it's an essential sewing tool. The ball-bearing construction features a quick action spring return and precision ground blades.

With an ergonomic design and built-in thumb rest, the scissors are efficient and easy to handle. This means you can focus more on your craft and less on fraying thread. The nippers can withstand repeated sharpening for a smooth cut every time. Use for clipping threads or other light cutting functions.

Item #	Full Length	Standard Package
214301	4-1/2 in.	6



266225

## Shears – Wiss® Upholstery, Carpet And Fabric Shears

Hot drop-forged, polished blades. One blade is ground to a knife-edge.

To attain the extra sharp knife edge, the cutting edge of the top blade is ground to a greater angle than regular shears. For this reason they will require more frequent sharpening than conventional Wiss Inlaid® Trimmers. However, a simple resharpening procedure will restore the edge quickly and easily. Do not stone the inside of this blade or the opposing blade.

Item #	Style #	Full Length	Length of Cut	Standard Package
266225	1225	10-1/4 in.	4-3/4 in.	1
266226	1226	12-1/4 in.	6-1/8 in.	1

Wiss® and Inlaid® are registered trademarks of Cooper Industries, Inc.



266022

## Shears – Wiss® Upholstery, Drapery, Carpet And Fabric Shears – Heavy Duty

With thick, heavy-duty blades to cut through multiple layers and tough material. Hot drop-forged, polished standard edge blades.

To attain the extra sharp knife edge, the cutting edge of the top blade is ground to a greater angle than regular shears. For this reason they will require more frequent sharpening than conventional Wiss Inlaid® Trimmers. However, a simple resharpening procedure will restore the edge quickly and easily. Do not stone the inside of this blade or the opposing blade.

Item #	Style #	Full Length	Length of Cut	Standard Package
266019	20W	10-1/4 in.	4-3/4 in.	1
266022	22W	12-1/4 in.	6-1/8 in.	1

Wiss® and Inlaid® are registered trademarks of Cooper Industries, Inc.



266227

## Shears – Ergonomic Shears

Ergonomic Shears have an extended bottom ring that allows you to use all four fingers and wear a glove, if needed. By using your whole hand, you have more comfort, less strain on the wrist and added cutting leverage. This bent trimmer is made from high-carbon steel with a knife edge and blue soft-coated handle for extra comfort. A chrome-over-nickel plating inside and out provides double rust prevention.

Item #	Style #	Full Length	Standard Package
266227	210LRK	10 in.	1



266027

## Shears – Wiss® Industrial Shears

Hot drop-forged, nickel-plated shears with standard edge blades.

To attain the extra sharp knife edge, the cutting edge of the top blade is ground to a greater angle than regular shears. For this reason they will require more frequent sharpening than conventional Wiss Inlaid® Trimmers. However, a simple resharpening procedure will restore the edge quickly and easily. Do not stone the inside of this blade or the opposing blade.

Item #	Style #	Full Length	Length of Cut	Standard Package
266027	27	7-1/2 in.	3-1/8 in.	1
266028	28	8-1/8 in.	3-3/4 in.	1



266020

## Shears – Wiss® Industrial Shears – Heavy Duty

Hot drop-forged, polished standard edge blades, with black handles. Style 20 LH is the left-handed version.

To attain the extra sharp knife edge, the cutting edge of the top blade is ground to a greater angle than regular shears. For this reason they will require more frequent sharpening than conventional Wiss Inlaid® Trimmers. However, a simple resharpening procedure will restore the edge quickly and easily. Do not stone the inside of this blade or the opposing blade.

Item #	Style #	Full Length	Length of Cut	Standard Package
266020	20	10-1/4 in.	4-3/4 in.	1
266021	20LH	10-1/4 in.	4-3/4 in.	1

Wiss® and Inlaid® are registered trademarks of Cooper Industries, Inc.



266016

## Shears – Wiss® Shop Shears

Serrated bladed shears.

Item #	Style #	Full Length	Standard Package
266016	W912	10 in.	1

WISS® is a registered trademark of Cooper Industries, Inc.



266233

## Shears – Kretzer®

Kretzer Scissors is the leading German scissors manufacturer. The quality and durability of these shears are only two of many aspects associated with German craftsmanship.

Item #	Style #	Description	Full Length	Standard Package
266232	73725	Trivantage® Shop Shears	10 in.	1
266233	K22	Trim Shears	12 in.	1
266234	K20	Trim Shears	10 in.	1
266235	KRE764425	Pinking Shears	10-1/2 in.	1
266236	72020	Trivantage® Trim Shears	8 in.	1
266237	KRE773225	Heavy Duty Shop Shears	10 in.	1

Kretzer® is a registered trademark of Johann Kretzer GmbH & Co.



268100

## Staple Remover

Forged from 4140 alloy tempered steel.

Item #	Style #	Standard Package
268100	124	1



275599



## Top-Snapper®

Built of marine-grade stainless steel with an easy to grip rubberized handle, makes snapping your canvas boat top into place easy and convenient. Just slide the ingenious, patented Top-Snapper over the snap, pull it into place, and snap it shut.

Item #	Style #	Standard Package
275599	008.1	1

Top-Snapper® is a registered trademark of Ironwood Pacific Inc.

## Cutter – Tubing

Excellent portable tubing cutter for aluminum. Stainless steel cutting wheel sold separately.



248219

Item #	Style #	Description	Standard Package
248219	TC312	Tube Cutter	1
248221	75046	Stainless Steel Cutting Wheel	1



248221





216400

## Cutter – Side Cutter

Typically used for plain and tooth grommet washers. For best results use Cutting Pad (Item No. 223449). Do not use with steel head hammers.

Item #	Style #	Size Hole	Standard Package
216400	00	3/16 in.	1
216401	0	1/4 in.	1
216402	1	9/32 in.	1
216403	2	3/8 in.	1
216404	3	7/16 in.	1
216405	4	1/2 in.	1
216406	5	5/8 in.	1
216407	6	3/4 in.	1
216409	8	1 in.	1



216504

## Cutter – Special Cutter

Typically used for rolled rim spur grommet washers. For best results use Cutting Pad (Item No. 223449). Do not use with steel head hammers.

Item #	Style #	Size Hole	Standard Package
216499	00	3/16 in.	1
216501	0	1/4 in.	1
216502	1	5/16 in.	1
216503	2	3/8 in.	1
216504	3	7/16 in.	1
216505	4	1/2 in.	1
216506	5	5/8 in.	1
216507	6	3/4 in.	1
216508	7	7/8 in.	1
216509	8	1 in.	1



223410

## Setting Die For Plain And Tooth Grommets And Washers

For inserting round grommets. Made of superior grade drop forged steel.

Setting Dies are guaranteed against defects in material and workmanship, but this guarantee is not intended to cover tools against wear, over-strain or steel hammering. To obtain maximum life of tools use Dead Blow Hammer, Rawhide Mallet, Cutting Pad and strike at 90 degree angle.

Item #	Style #	Description	Standard Package
223410	00	Osborne #216	1



223423

Item #	Style #	Description	Standard Package
223411	0	Osborne #216	1
223412	1	Osborne #216	1
223413	2	Osborne #216	1
223414	3	Osborne #216	1
223415	4	Osborne #216	1
223416	5	Osborne #216	1
223417	6	Osborne #216	1

## Setting Die For Rolled Rim Grommets And Spur Washers

For inserting round grommets. Made of superior grade drop forged steel.

Setting Dies are guaranteed against defects in material and workmanship, but this guarantee is not intended to cover tools against wear, over-strain or steel hammering. To obtain maximum life of tools use Dead Blow Hammer, Rawhide Mallet, Cutting Pad and strike at 90 degree angle.

Item #	Style #	Description	Standard Package
223420	0	Osborne #217	1
223421	1	Osborne #217	1
223422	2	Osborne #217	1
223423	3	Osborne #217	1
223424	4	Osborne #217	1
223425	5	Osborne #217	1
223426	6	Osborne #217	1
223427	7	Osborne #217	1
223428	8	Osborne #217	1



216490

## Punch Kit – Self-Centering

This handy and versatile kit contains a threaded handle with self-centering pointed plunger. Designed to accommodate nine interchangeable threaded cutting tubes in diameter sizes of 1/4 inch, 5/16 inch, 3/8 inch, 7/16 inch, 1/2 inch, 5/8 inch, 3/4 inch, 7/8 inch and 1 inch. The punches in this set will cleanly cut fabric, leather, rubber, paper, plastic and other soft materials.

Item #	Style #	Standard Package
216490	K156	1

## Grommet Kit – Home

A complete and inexpensive kit for household use. Each kit consists of a grommet die, a cutting punch, 3 dozen grommets and washers, a small cutting board and complete instructions.

Item #	Style #	Grommet Size	Standard Package	Weight
248100	0	1/4 in.	1	1-1/2 lbs.
248101	1	9/32 in.	1	1-1/2 lbs.
248102	2	3/8 in.	1	1/3/4 lbs.
248103	3	7/16 in.	1	1/3/4 lbs.
248104	4	1/2 in.	1	1/3/4 lbs.

248102

## Hammer – Dead Blow

Quick-change threaded faces are molded in one piece without metal plugs. Shot-filled heads reduce rebound and increase impact. Replacement faces in white nylon, medium red, extra hard yellow and tough brown polyurethane.

237000

237005

Item #	Style #	Description	Color	For Use With	Size	Standard Package	Weight
237000	DB175	Dead Blow Hammer			1-3/4 in.	1	2 lbs.
237002	175HF	Face Replacement	White	DB175 (#237000)	1-3/4 in.	1	
237003	250HF	Face Replacement	White	DB250 (#237001)	2-1/2 in.	1	
237004	175XF	Face Replacement	Yellow	DB175 (#237000)	1-3/4 in.	1	
237005	250TF	Face Replacement	Brown	DB250 (#237001)	2-1/2 in.	1	

## Mallet/Maul – Rawhide

250801

Item #	Style #	Description	Standard Package	Weight
250809	196-2	Mallet	1	
250804		Maul Handle	1	
250806	393-3RR	Maul Leather Refill	1	
250807	393-4RR	Maul Leather Refill	1	
250808	393-6RR	Maul Leather Refill	1	
250800	393-2	Maul	1	2 lbs.
250801	393-3	Maul	1	2-12/ lbs.
250802	393-4	Maul	1	4-1/2 lbs.
250803	393-6	Maul	1	6 lbs.

## Hammer – Rawhide With Split Head – No. 395

Ideal for use with arch punches, grommet dies or wherever a cushioned blow is desired. No trouble to replace faces. Just loosen the safety nut, remove worn face, insert replacement and tighten.

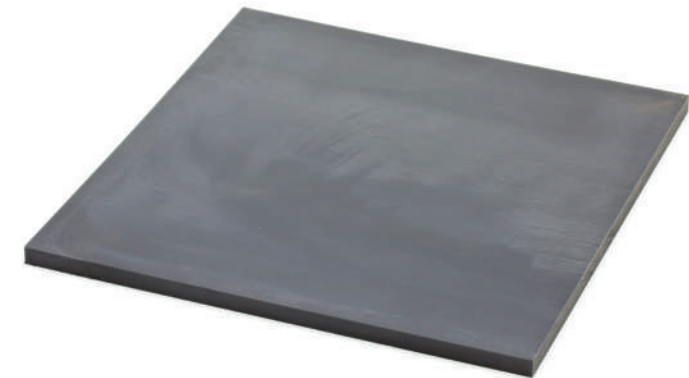
237015

Item #	Style #	Diameter of Face	Size	Standard Package	Weight
237013	395-1	1-1/4 in.	1	1	
237014	395-2	1-1/2 in.	2	1	2 lbs.
237015	395-3	1-3/4 in.	3	1	3 lbs.



## Hammer – Rawhide Replacement Heads

Item #	Style #	Size	Standard Package
237020	395F-1	1	1
237021	395F-2	2	1
237022	395F-3	3	1



## Cutting Pad

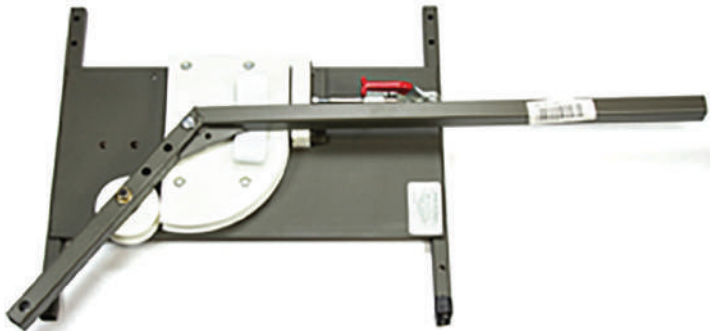
Made of a special formula resilient vinyl plastic, these tough cutting pads are ideal for use with Osborne Punches. They are long wearing and can be used on both sides. Use on a solid base for best results.

Item #	Style #	Material	Size	Standard Package
223449	603	Urethane	10 in. x 10 in. x 3/8 in.	1



## Hammer – Magnetic Tack

Item #	Style #	Description	Standard Package
237016	33	Magnetic Tack Hammer	1



205304

## Bendarc Quick-Switch Bender

The Bendarc bends a 6, 8, 10 or 12 inch radius on either 7/8, 1, or 1-1/4 inch OD aluminum or stainless steel marine tubing. Designed for wall or bench mounting. Bends are formed using a long handle for leverage and with the aid of body weight. The Bendarc gives strong bends with smooth, rounded corners. Constructed of boiler plate steel with bearing supported roller. Rollers are high-density polymer for mar resistant contact with fine tubing finishes.

Interchangeable forming blocks, clamp blocks and rollers are also available to convert from a 6 inch radius to 8 inch or 10 inch, and a 7/8 inch OD tube to 1 inch OD. Switch sizes easily and quickly with only an Allen wrench and a 1/2 inch socket. Once forming block replacement is installed, only a finger tight adjustment of a nut on the clamp block is required.

Items are drop ship only.

Item #	Description	For	Radius	Standard Package
205348	Bearing Support Roller	1 in. round tubing		1
205349	Bearing Support Roller	1 in. square tubing		1
205347	Bearing Support Roller	1-1/4 in. round tubing		1
205346	Bearing Support Roller	7/8 in. round tubing		1
205344	Clamp Block Assembly	1 in. round tubing		1
205345	Clamp Block Assembly	1 in. square tubing		1
205350	Clamp			1
205340	Form Block	1 in. round tubing	10 in.	1
205338	Form Block	7/8 in. round tubing	10 in.	1
205343	Form Block	1 in. round tubing	12 in.	1
205341	Form Block	7/8 in. round tubing	12 in.	1
205332	Form Block	1 in. round tubing	6 in.	1
205330	Form Block	7/8 in. round tubing	6 in.	1
205336	Form Block	1 in. round tubing	8 in.	1
205334	Form Block	7/8 in. round tubing	8 in.	1
205352	Pull Down Handle			1

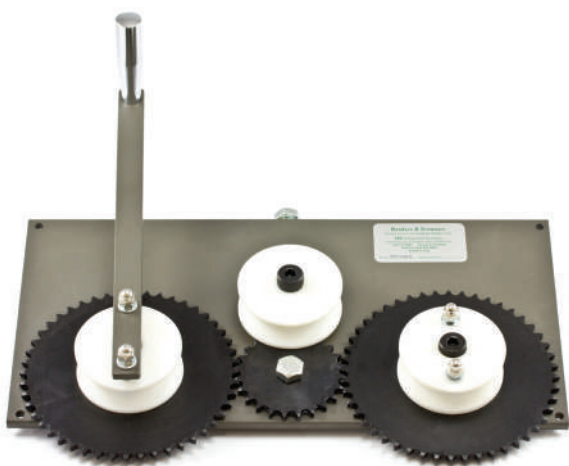
Item #	Description	For	Radius	Standard Package
205337	Steel Encased Form Block	1 in. square tubing	10 in.	1
205321	Tube Bender With Steel Encased Form Block	1 in. square tubing	10 in.	1
205319	Tube Bender With Steel Encased Form Block	1 in. square tubing	12 in.	1
205320	Tube Bender	1 in. tubing	10 in.	1
205313	Tube Bender	1-1/4 in. tubing	10 in.	1
205318	Tube Bender	7/8 in. tubing	10 in.	1
205315	Tube Bender	1 in. tubing	12 in.	1
205304	Tube Bender	1 in. tubing	6 in.	1
205316	Tube Bender	1 in. tubing	8 in.	1
205314	Tube Bender	7/8 in. tubing	8 in.	1



999075

## Hand Roller

Item #	Style #	Material	Standard Package	Width
999075	11-150	Silicone	1	1.75 in.



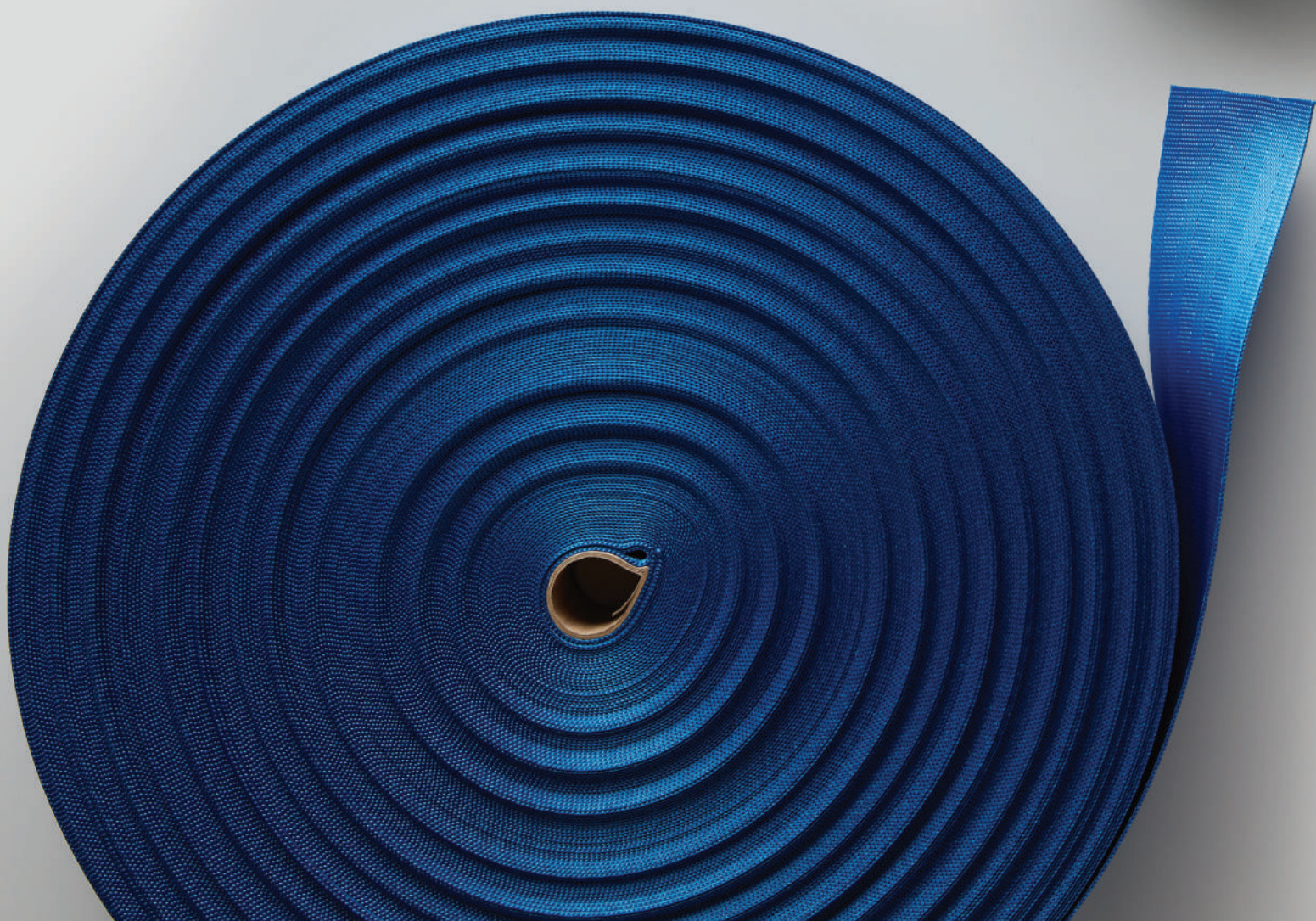
## Crownarc Crown Bender

Bends 7/8 inch, 1 inch or 1-1/4 inch outside diameter marine tubing using the same dies. The crown radius is adjustable from 30 inch minimum to infinity. The only Crownarc with gear drive; Crownarc's crank turns both lower wheels and "takes a bigger bite" to get more crown per pass. The Z wheel drive system makes control much easier. The back plate is boiler plate steel and rollers are high-density polymer for mar resistant contact with fine marine tubing. The center roller is fully adjustable.

The Crownarc is supplied with rollers cut for 1 inch diameter marine tubing. This easily crowns 1 inch and 7/8 inch stainless or aluminum marine tubing. Bender can be mounted on the wall, on a table or on the side or rear of a truck.

Item #	Description	For	Radius	Standard Package
205329	Gear Mounted Roller	1 in. square tubing	1 in.	1
205327	Tube Bender	1 in. square tubing		1
205362	Tube Bender	1-1/4 in. round tubing		1
205325	Tube Bender	7/8 in. and 1 in. tubing		1









# TRIM AND CORD: UNIQUE EMBELLISHMENTS

The detail and finish of a built piece is what gives it character and provides additional support. Secure fabric applications with webbing and marine binding, and tow, tie and bind with the right rope or cordage. For endless design possibilities, Trivantage® hand-picks the finest trim, cord and braid with products like Sunbrella® Fringe, Twist and Welt Cord.

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## Sunbrella® Embroidery Thread

Made from 100% Sunbrella yarns, Sunbrella embroidery thread is an essential product for the embroidery world. It brings the colorfastness and durability of Sunbrella fabrics to decorative stitching. The thread opens up countless possibilities for customizing outdoor and indoor products. It offers carefree cleaning and allows the creation of beautiful, durable needlework.

Suggested uses: cushions, pillows, boat tops, umbrellas, bags, accessories, awnings, tents.

Warranty				5-Year		
Item #	Style #	Approx. Yards Per Pound	Average Breaking Strength	Color	Put Up	Size
542828	98028	3000	23 lbs.	Antique Beige	12/box	#24
542845	98045	3000	23 lbs.	Bay Brown	12/box	#24
542847	98047	3000	23 lbs.	Black	12/box	#24
542827	98027	3000	23 lbs.	Cadet Grey	12/box	#24
542826	98026	3000	23 lbs.	Captain Navy	12/box	#24
542846	98046	3000	23 lbs.	Charcoal	12/box	#24
542834	98034	3000	23 lbs.	Forest Green	12/box	#24
542841	98041	3000	23 lbs.	Gold	12/box	#24
542830	98030	3000	23 lbs.	Jockey Red	12/box	#24
542844	98044	3000	23 lbs.	Palm	12/box	#24
542842	98042	3000	23 lbs.	Peridot	12/box	#24
542829	98029	3000	23 lbs.	Pigmented White	12/box	#24
542843	98043	3000	23 lbs.	Rust	12/box	#24
542839	98039	3000	23 lbs.	Taupe	12/box	#24
542848	98048	3000	23 lbs.	Tuscan Orange	12/box	#24
542840	98040	3000	23 lbs.	Vellum	12/box	#24

Sunbrella® is a registered trademark of Glen Raven, Inc.

## Sunbrella® Embroidery Bobbins

Made from 100% Sunbrella yarns, Sunbrella embroidery thread brings the colorfastness and durability of Sunbrella fabrics to decorative stitching. It allows endless possibilities for customizing indoor and outdoor pieces. The easy-care thread enables the creation of beautiful, durable designs.

Suggested uses: cushions, pillows, boat tops, umbrellas, bags, accessories, awnings, tents.

<b>Warranty</b>	5-Year
-----------------	--------

Item #	Style #	Approx. Yards Per Bobbin	Approx. Yards Per Pound	Average Breaking Strength	Color	Put Up	Size	Style
542887	98047	76	5,600	10 lbs.	Black	100/box	Tex 18	L
542890	98029	118	5,600	10 lbs.	Pigmented White	65/box	Tex 18	M
542869	98029	76	5,600	10 lbs.	Pigmented White	100/box	Tex 18	L

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## Backing – Tear-Away

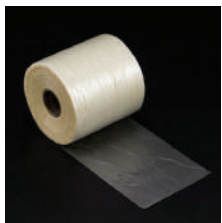
Designed for use on stable fabrics such as, satin jackets, denim, bath towels and similar items.

Item #	Put Up	Width
542808	250 yds.	6 in.
542809	250 yds.	10 in.
542810	250 yds.	15 in.

## Backing – Cut-Away

Designed for maximum stability, this soft cut-away backing is ideal for use on sweaters, sports style garments, or any job where backing material will come in contact with skin.

Item #	Put Up	Size	Width
542811	100 pack	8 in. x 8 in.	
542812	150 yds.		6 in.
542813	150 yds.		10 in.
542814	150 yds.		15 in.



542816

## Solvly

A water-soluble biodegradable topping that keeps stitches from sinking into terry knits and similar fabrics.

Item #	Put Up	Size	Width
542815	100 pack	8 in. x 8 in.	
542816	275 yds.		5 in.
542817	275 yds.		9 in.
542818	275 yd.		13 in.





504504

## Sunbrella® Brush Fringe

This stylish brush fringe is made from genuine Sunbrella yarns. The colors and blends are specifically selected to complement our Fusion Collection as well as other Sunbrella upholstery collections.

3-yard minimum for cut yardage.

Suggested uses: marine and patio throw pillows, decorative umbrella trimming.

Item #	Style #	Color	Put Up	Width
504507	08337-2	Barley	25 yd.	2 in.
504502	07300-4635	Buttercup	25 yd.	2 in.
504504	07697-2	Classic	25 yd.	2 in.
504515	08354-2	Clay	25 yd.	2 in.
503874	07300	Cocoa	25 yd.	2 in.
504510	08347-2	Dune	25 yd.	2 in.
504516	08359-2	Dusk	25 yd.	2 in.
504511	08348-2	Flame	25 yd.	2 in.
504503	07300-5462	Hot Pink	25 yd.	2 in.
504513	08351-2	Indigo	25 yd.	2 in.
504517	08362-2	Meadow	25 yd.	2 in.
504501	07300-4608	Onyx	25 yd.	2 in.
504514	08352-2	Opal	25 yd.	2 in.
504505	08290-2	Papaya	25 yd.	2 in.
504508	08345-2	Putty	25 yd.	2 in.
504506	08293-2	Rain Forest	25 yd.	2 in.
504512	08350-2	Redwood	25 yd.	2 in.
504500	07300-4604	Salt	25 yd.	2 in.
504509	08346-2	Smoke	25 yd.	2 in.

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504708



504713

## Sunbrella® Twist Cord-Edge

This twisted cord edge is made with durable Sunbrella yarns. It includes a color-matched sewing tab. Colors and blends are selected to pair with the Sunbrella Fusion Collection and other Sunbrella upholstery collections.

3-yard minimum for cut yardage.

Suggested uses: welting on marine and patio cushions, decorative umbrella trimming.

Item #	Style #	Color	Put Up	Width
504706	07313-4633	Almond	25 yd.	3/8 in.
504720	07313-5416	Aruba	25 yd.	3/8 in.
504729	08337	Barley	25 yd.	3/8 in.
504707	07313-4635	Buttercup	25 yd.	3/8 in.
504714	07313-4675	Capri	25 yd.	3/8 in.
504703	07313-4621	Chocolate	25 yd.	3/8 in.
504715	07313-4676	Cocoa	25 yd.	3/8 in.
504700	07313-4603	Crimson	25 yd.	3/8 in.
504721	07313-5418	Deep Sea	25 yd.	3/8 in.
504705	07313-4630	Dove	25 yd.	3/8 in.
504732	08347-CE	Dune	25 yd.	3/8 in.
504733	08348-CE	Flame	25 yd.	3/8 in.
504717	07313-4685	Ginkgo	25 yd.	3/8 in.
504724	07313-5441	Gold	25 yd.	3/8 in.
504708	07313-4644	Graphite	25 yd.	3/8 in.
504725	07313-5462	Hot Pink	25 yd.	3/8 in.
504734	08349	Linden	25 yd.	3/8 in.
504719	07313-5415	Melon	25 yd.	3/8 in.
504728	07532-CE	Nautical	25 yd.	3/8 in.
504704	07313-4626	Navy	25 yd.	3/8 in.
504718	07313-4686	Nutmeg	25 yd.	3/8 in.
504702	07313-4608	Onyx	25 yd.	3/8 in.
504723	07313-5421	Palm	25 yd.	3/8 in.
504710	07313-4649	Plum	25 yd.	3/8 in.
504730	08345	Putty	25 yd.	3/8 in.
504701	07313-4604	Salt	25 yd.	3/8 in.
504722	07313-5420	Sky	25 yd.	3/8 in.
504731	08346	Smoke	25 yd.	3/8 in.
504712	07313-4673	Spa	25 yd.	3/8 in.



503027

## Sunbrella® Braid – 13/16 in. – No. 4015 European Style

A Sunbrella acrylic braid with exceptional color retention. “European Style” braid is a basket weave pattern where as standard braid is a straight weave pattern.

Item #	Style #	Color	Put Up	Width
503032	4015	Aquamarine	100 yd.	13/16 in.
503020	4015	Beige	100 yd.	13/16 in.
503037	4015	Black	100 yd.	13/16 in.
503046	4015	Blended Brown	100 yd.	13/16 in.
503009	4015	Blended Gold	100 yd.	13/16 in.
503090	4015	Brass	100 yd.	13/16 in.
503025	4015	Burgundy	100 yd.	13/16 in.
503036	4015	Buttercup	100 yd.	13/16 in.
503040	4015	Captain Navy	100 yd.	13/16 in.
503097	4015	Charcoal Grey	100 yd.	13/16 in.
503096	4015	Concord	100 yd.	13/16 in.
503027	4015	Forest Green	100 yd.	13/16 in.
503023	4015	Green	100 yd.	13/16 in.
503021	4015	Grey	100 yd.	13/16 in.
503045	4015	Ivory	100 yd.	13/16 in.
503030	4015	Jockey Red	100 yd.	13/16 in.
503041	4015	Linen	100 yd.	13/16 in.
503039	4015	Logo Red	100 yd.	13/16 in.
503094	4015	Mediterranean Blue	100 yd.	13/16 in.
503016	4015	Natural	100 yd.	13/16 in.
503029	4015	Navy Blue	100 yd.	13/16 in.
503022	4015	Pacific Blue	100 yd.	13/16 in.
503024	4015	Persian Green	100 yd.	13/16 in.
503034	4015	Plum	100 yd.	13/16 in.
503033	4015	Sapphire	100 yd.	13/16 in.
503035	4015	Sky Blue	100 yd.	13/16 in.
503092	4015	Taupe	100 yd.	13/16 in.
503028	4015	Terracotta	100 yd.	13/16 in.
503091	4015	Toast	100 yd.	13/16 in.
503019	4015	True Brown	100 yd.	13/16 in.
503093	4015	Turquoise	100 yd.	13/16 in.
503042	4015	Yellow	100 yd.	13/16 in.

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Item #	Style #	Color	Put Up	Width
504709	07313-4648	Stone	25 yd.	3/8 in.
504726	07313-5488	Teak	25 yd.	3/8 in.
504716	07313-4677	Tuscan	25 yd.	3/8 in.
504727	07313-5498	Vellum	25 yd.	3/8 in.
504713	07313-4674	Wheat	25 yd.	3/8 in.
504711	07313-4672	Wren	25 yd.	3/8 in.

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## Bullion Fringe – Blended Polyester

Item #	Style #	Color	Put Up	Width
503713	1038	Medium White	36 yd.	2-1/2 in.
503720	1035	Medium White	36 yd.	4 in.

# Sunbrella® Braid – 13/16 in. – No. 681

A 13/16 inch 100% Sunbrella® Acrylic braid and is manufactured using four ends of Sunbrella yarn in one strand. This braid has exceptional color retention.

Item #	Style #	Color	Color #	Put Up	Width
503055	681	Aquamarine	ABA23	100 yd.	13/16 in.
502976	681	Aruba	ABA5416	100 yd.	13/16 in.
502955	681	Aspen	ABA68	100 yd.	13/16 in.
503052	681	Beige	ABA20	100 yd.	13/16 in.
503044	681	Black	ABA08	100 yd.	13/16 in.
502941	681	Black Cherry	ABA40	100 yd.	13/16 in.
502948	681	Blended Brown	ABA13	100 yd.	13/16 in.
502946	681	Brass	ABA58	100 yd.	13/16 in.
503060	681	Burgundy	ABA31	100 yd.	13/16 in.
503074	681	Buttercup	ABA35	100 yd.	13/16 in.
503059	681	Cadet Grey	ABA30	100 yd.	13/16 in.
502958	681	Capri	ABA75	100 yd.	13/16 in.
503079	681	Captain Navy	ABA46	100 yd.	13/16 in.
502942	681	Charcoal	ABA44	100 yd.	13/16 in.
502970	681	Charcoal Tweed	ABA07	100 yd.	13/16 in.
502959	681	Cocoa	ABA76	100 yd.	13/16 in.
502969	681	Dubonnet Tweed	ABA06	100 yd.	13/16 in.
503048	681	Erin Green	ABA00	100 yd.	13/16 in.
503085	681	Fern	ABA71	100 yd.	13/16 in.
503075	681	Forest Green	ABA37	100 yd.	13/16 in.
502980	681	Ginkgo	ABA4685	100 yd.	13/16 in.
503089	681	Granite	ABA82	100 yd.	13/16 in.
503086	681	Heather Beige	ABA72	100 yd.	13/16 in.
502966	681	Hemlock Tweed	ABA05	100 yd.	13/16 in.
503084	681	Ivory	ABA9506	100 yd.	13/16 in.
502982	681	Ivy	ABA4632	100 yd.	13/16 in.
503051	681	Jockey Red	ABA03	100 yd.	13/16 in.
503073	681	Linen	ABA33	100 yd.	13/16 in.
502967	681	Linen Tweed	ABA54	100 yd.	13/16 in.
503083	681	Logo Red	ABA66	100 yd.	13/16 in.
502954	681	Mahogany	ABA67	100 yd.	13/16 in.
502961	681	Marine Blue	ABA78	100 yd.	13/16 in.
502952	681	Mauve	ABA39	100 yd.	13/16 in.
503081	681	Mediterranean Blue	ABA52	100 yd.	13/16 in.

Item #	Style #	Color	Color #	Put Up	Width
502963	681	Mediterranean Blue Tweed	ABA53	100 yd.	13/16 in.
502968	681	Mocha	ABA16	100 yd.	13/16 in.
503043	681	Natural	ABA04	100 yd.	13/16 in.
503057	681	Navy Blue	ABA26	100 yd.	13/16 in.
502962	681	Ocean Blue	ABA79	100 yd.	13/16 in.
503087	681	Orange	ABA09	100 yd.	13/16 in.
502972	681	Oyster	ABA42	100 yd.	13/16 in.
503049	681	Pacific Blue	ABA01	100 yd.	13/16 in.
502979	681	Palm	ABA5421	100 yd.	13/16 in.
503088	681	Parchment	ABA83	100 yd.	13/16 in.
503078	681	Persian Green	ABA43	100 yd.	13/16 in.
503080	681	Plum	ABA49	100 yd.	13/16 in.
502964	681	Royal Blue	ABA17	100 yd.	13/16 in.
502974	681	Rust	ABA4689	100 yd.	13/16 in.
503047	681	Salmon	ABA27	100 yd.	13/16 in.
503077	681	Sapphire	ABA41	100 yd.	13/16 in.
502943	681	Sea Grass	ABA45	100 yd.	13/16 in.
502947	681	Sea Spray	ABA11	100 yd.	13/16 in.
502971	681	Silver	ABA51	100 yd.	13/16 in.
503056	681	Sky Blue	ABA24	100 yd.	13/16 in.
502981	681	Slate	ABA4684	100 yd.	13/16 in.
502956	681	Spa	ABA73	100 yd.	13/16 in.
503050	681	Sunflower Yellow	ABA02	100 yd.	13/16 in.
502949	681	Tan	ABA14	100 yd.	13/16 in.
502944	681	Taupe	ABA48	100 yd.	13/16 in.
503054	681	Terracotta	ABA22	100 yd.	13/16 in.
502951	681	Toast	ABA28	100 yd.	13/16 in.
503053	681	True Brown	ABA21	100 yd.	13/16 in.
502960	681	Tuscan	ABA77	100 yd.	13/16 in.
502950	681	Walnut Brown Tweed	ABA18	100 yd.	13/16 in.
502957	681	Wheat	ABA74	100 yd.	13/16 in.

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503129

## Sunbrella® Braid – 5/8 in. – No. 6118

5/8 inch wide braid made from 100% Sunbrella® Acrylic.

Item #	Style #	Color	Put Up	Width
503131	6118	Aquamarine	1 gr. yd.	5/8 in.
503223	6118	Beige	1 gr. yd.	5/8 in.
503221	6118	Black	1 gr. yd.	5/8 in.
503225	6118	Blended Brown	1 gr. yd.	5/8 in.
503129	6118	Blue	1 gr. yd.	5/8 in.
503132	6118	Brown	1 gr. yd.	5/8 in.
503228	6118	Burgundy	1 gr. yd.	5/8 in.
503154	6118	Buttercup	1 gr. yd.	5/8 in.
503158	6118	Captain Navy	1 gr. yd.	5/8 in.
503159	6118	Charcoal Grey	1 gr. yd.	5/8 in.
503138	6118	Forest Green	1 gr. yd.	5/8 in.
503134	6118	Grey	1 gr. yd.	5/8 in.
503150	6118	Ivory	1 gr. yd.	5/8 in.
503141	6118	Jockey Red	1 gr. yd.	5/8 in.
503130	6118	Linen	1 gr. yd.	5/8 in.
503156	6118	Logo Red	1 gr. yd.	5/8 in.
503128	6118	Mediterranean Blue	1 gr. yd.	5/8 in.
503153	6118	Natural	1 gr. yd.	5/8 in.
503142	6118	Navy	1 gr. yd.	5/8 in.
503157	6118	Taupe	1 gr. yd.	5/8 in.
503147	6118	Terracotta	1 gr. yd.	5/8 in.
503148	6118	Toast	1 gr. yd.	5/8 in.
503152	6118	Turquoise	1 gr. yd.	5/8 in.
503136	6118	Yellow	1 gr. yd.	5/8 in.

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503306

## Braid – Polyester

Ideal for use with all awning fabrics. Also used to bind boat tops. Resists deteriorating effects of sunlight and weather. Excellent sewability. Recommend sewing with polyester thread.

Item #	Style #	Color	Put Up	Width
503306	61-20	Black	1 gr. yd.	5/8 in.
503311	61-20	Blue	1 gr. yd.	5/8 in.
503307	61-20	Brown	1 gr. yd.	5/8 in.
503303	61-20	Ecu	1 gr. yd.	5/8 in.
503302	5314	White	2 gr. yd.	5/8 in.





503469

Tassels – Synthetic Wood

Item #	Size
503469	4 in.



502008

Tape – No. 281 Nylon

A quality nylon tape for binding nylons and most other fabrics. Makes a neat, attractive finish.

Item #	Style #	Color	Put Up	Width
502025	281/N0088	Black	100 yd.	1 in.
502017	281/5038	Black	100 yd.	1 in.
502008	281/30119	Black	100 yd.	3/4 in.
502024	281/N0088	Black	100 yd.	3/4 in.
502009	281/N0088	Navy	100 yd.	3/4 in.
502019	281/N0088	White	100 yd.	1 in.
502007	281/N0088	White	100 yd.	3/4 in.



503912

Sunbrella® Marine Binding – Centerfold

100% Sunbrella Acrylic. Natural fold in center. Will not fade or weaken from normal exposure conditions, including sunlight, mildew, rot and atmospheric chemicals. Binding will not “neckdown” under tension. Blind side behaves same as front.

Item #	Style #	Color	Color #	Put Up	Width
503920	70-1968	Beige	20	200 yd.	7/8 in.
503915	70-1968	Black	08	200 yd.	7/8 in.
503916	70-1968	Burgundy	31	200 yd.	7/8 in.
503912	70-1968	Cadet Grey	30	200 yd.	7/8 in.
504447	70-1968	Captain Navy	6646	200 yd.	7/8 in.
503919	70-1968	Forest Green	37	200 yd.	7/8 in.
504439	70-1968	Linen	33	200 yd.	7/8 in.
504344	70-1968	Mediterranean Blue	6652	200 yd.	7/8 in.
503914	70-1968	Natural	04	200 yd.	7/8 in.
503913	70-1968	Navy	26	200 yd.	7/8 in.
504446	70-1968	Oyster	6642	200 yd.	7/8 in.
503911	70-1968	Pacific Blue	01	200 yd.	7/8 in.
504440	70-1968	Red	6603	200 yd.	7/8 in.
504449	70-1968	Taupe	48	200 yd.	7/8 in.
504443	70-1968	True Brown	21	200 yd.	7/8 in.
503917	70-1968	Turquoise	10	200 yd.	7/8 in.

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## Sunbrella® Marine Binding – Centerfold – Type 1810

A Sunbrella® acrylic braid that will not fade or weaken from normal exposure conditions, including sunlight, mildew and rot.

Item #	Style #	Color	Color #	Put Up	Width
504460	1810	Black	08	200 yd.	7/8 in.
504456	1810	Cadet Grey	30	200 yd.	7/8 in.

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503925

## Sunbrella® Marine Binding – Double-Fold Bias Cut

Sunbrella Acrylic marine binding in matching colors. Provides excellent color retention and weatherability. A double folded edge gives a finished and attractive look. Double folded and glued back 1/4 inch on each side. Bias cut binding assures pucker-free seams around curves and radius.

Item #	Style #	Color	Put Up	Width
504239	4620	Beige	100 yd.	1 in.
504208	4608	Black	100 yd.	1 in.
504330	4608	Black	100 yd.	1-1/4 in.
503928	4608	Black	100 yd.	3/4 in.
504231	4631	Burgundy	100 yd.	1 in.
503929	4631	Burgundy	100 yd.	3/4 in.
504230	4630	Cadet Grey	100 yd.	1 in.
504334	4630	Cadet Grey	100 yd.	1-1/4 in.
503950	4630	Cadet Grey	100 yd.	3/4 in.
503968	4675	Capri	100 yd.	3/4 in.
504211	4646	Captain Navy	100 yd.	1 in.
504351	4646	Captain Navy	100 yd.	1-1/4 in.
503946	4646	Captain Navy	100 yd.	3/4 in.
504235	4644	Charcoal Grey	100 yd.	1 in.
504236	4607	Charcoal Tweed	100 yd.	1 in.
504317	4676	Cocoa	100 yd.	1 in.
503969	4676	Cocoa	100 yd.	3/4 in.
504229	4606	Dubonnet Tweed	100 yd.	1 in.
503964	4671	Fern	100 yd.	3/4 in.
504237	4637	Forest Green	100 yd.	1 in.

Item #	Style #	Color	Put Up	Width
504328	4637	Forest Green	100 yd.	1-1/4 in.
503945	4637	Forest Green	100 yd.	3/4 in.
504272	4672	Heather Beige	100 yd.	1 in.
503965	4672	Heather Beige	100 yd.	3/4 in.
504207	4605	Hemlock Tweed	100 yd.	1 in.
504203	4603	Jockey Red	100 yd.	1 in.
503925	4603	Jockey Red	100 yd.	3/4 in.
504254	4654	Linen Tweed	100 yd.	1 in.
504327	4654	Linen Tweed	100 yd.	1-1/4 in.
503954	4654	Linen Tweed	100 yd.	3/4 in.
504233	4633	Linen	100 yd.	1 in.
504348	4633	Linen	100 yd.	1-1/4 in.
503958	4633	Linen	100 yd.	3/4 in.
504218	4666	Logo Red	100 yd.	1 in.
504318	4678	Marine Blue	100 yd.	1 in.
503970	4678	Marine Blue	100 yd.	3/4 in.
504314	4653	Mediterranean Blue Tweed	100 yd.	1 in.
503941	4653	Mediterranean Blue Tweed	100 yd.	3/4 in.
504213	4652	Mediterranean Blue	100 yd.	1 in.
504204	4604	Natural	100 yd.	1 in.
504331	4604	Natural	100 yd.	1-1/4 in.
503924	4604	Natural	100 yd.	3/4 in.
504226	4626	Navy	100 yd.	1 in.
504326	4626	Navy	100 yd.	1-1/4 in.
503922	4626	Navy	100 yd.	3/4 in.
504200	4679	Ocean Blue	100 yd.	1 in.
503971	4679	Ocean Blue	100 yd.	3/4 in.
504209	4642	Oyster	100 yd.	1 in.
504349	4642	Oyster	100 yd.	1-1/4 in.
503942	4642	Oyster	100 yd.	3/4 in.
504201	4601	Pacific Blue	100 yd.	1 in.
504346	4601	Pacific Blue	100 yd.	1-1/4 in.
503921	4601	Pacific Blue	100 yd.	3/4 in.
504243	4643	Persian Green	100 yd.	1 in.
503940	4643	Persian Green	100 yd.	3/4 in.
504217	4617	Royal Blue Tweed	100 yd.	1 in.
503923	4617	Royal Blue Tweed	100 yd.	3/4 in.
503933	4641	Sapphire Blue	100 yd.	3/4 in.
504205	4641	Sapphrie Blue	100 yd.	1 in.
503975	4859	Silica Dune	100 yd.	3/4 in.
504232	4651	Silver	100 yd.	1 in.
503962	4651	Silver	100 yd.	3/4 in.
503966	4673	Spa	100 yd.	3/4 in.
504216	4602	Sunflower Yellow	100 yd.	1 in.
504227	4648	Taupe	100 yd.	1 in.
503959	4648	Taupe	100 yd.	3/4 in.
504319	2389	Toast Tweed	100 yd.	1 in.

Item #	Style #	Color	Put Up	Width
504325	4689	Toast Tweed	100 yd.	1-1/4 in.
503956	2389	Toast Tweed	100 yd.	3/4 in.
504225	4628	Toast	100 yd.	1 in.
503952	4628	Toast	100 yd.	3/4 in.
504258	4658	Tresco Brass	100 yd.	1 in.
503963	4658	Tresco Brass	100 yd.	3/4 in.
504234	4621	True Brown	100 yd.	1 in.
503927	4621	True Brown	100 yd.	3/4 in.
504316	4674	Wheat	100 yd.	1 in.
503967	4674	Wheat	100 yd.	3/4 in.

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504021

## Sunbrella® Marine Binding – Double-Fold Straight Cut

Sunbrella Acrylic marine binding in matching colors. Provides excellent color retention and weatherability. A double folded edge gives a finished and attractive look. Double folded and glued back 1/4 inch on each side.

Item #	Style #	Color	Put Up	Width
502036	4623	Aquamarine	100 yd.	1 in.
504043	4623	Aquamarine	100 yd.	3/4 in.
504077	4668	Aspen	100 yd.	3/4 in.
504020	4620	Beige	100 yd.	3/4 in.
502034	4608	Black	100 yd.	1 in.
504028	4608	Black	100 yd.	3/4 in.
504119	4608	Black	200 yd.	3/4 in.
504088	4608	Black	300 yd.	7/8 in.
502040	4631	Burgundy	100 yd.	1 in.
504051	4631	Burgundy	100 yd.	3/4 in.
504015	4635	Buttercup	100 yd.	3/4 in.
504050	4630	Cadet Grey	100 yd.	3/4 in.
502044	4646	Captain Navy	100 yd.	1 in.
504047	4646	Captain Navy	100 yd.	3/4 in.
504027	4607	Charcoal Tweed	100 yd.	3/4 in.
504049	4644	Charcoal	100 yd.	3/4 in.
504065	4665	Concord	100 yd.	3/4 in.
502033	4606	Dubonnet Tweed	100 yd.	1 in.
504026	4606	Dubonnet Tweed	100 yd.	3/4 in.
504057	4637	Forest Green	100 yd.	3/4 in.
504071	4672	Heather Beige	100 yd.	3/4 in.
504025	4605	Hemlock Tweed	100 yd.	3/4 in.
504080	4632	Ivy	100 yd.	3/4 in.
504023	4603	Jockey Red	100 yd.	3/4 in.

Item #	Style #	Color	Put Up	Width
504054	4654	Linen Tweed	100 yd.	3/4 in.
504033	4633	Linen	100 yd.	3/4 in.
504078	4678	Marine Blue	100 yd.	3/4 in.
502046	4653	Mediterranean Blue Tweed	100 yd.	1 in.
504053	4653	Mediterranean Blue Tweed	100 yd.	3/4 in.
502045	4652	Mediterranean Blue	100 yd.	1 in.
504052	4652	Mediterranean Blue	100 yd.	3/4 in.
504016	4616	Mocha Tweed	100 yd.	3/4 in.
504024	4604	Natural	100 yd.	3/4 in.
502037	4646	Navy	100 yd.	1 in.
504046	4626	Navy	100 yd.	3/4 in.
504079	4679	Ocean Blue	100 yd.	3/4 in.
504036	4642	Oyster	100 yd.	3/4 in.
504021	4601	Pacific Blue	100 yd.	3/4 in.
504029	4643	Persian Green	100 yd.	3/4 in.
504300	4617	Royal Blue	100 yd.	1 in.
504034	2079	Royal Navy	100 yd.	3/4 in.
504037	4617	Royal	100 yd.	3/4 in.
504031	4651	Silver	100 yd.	3/4 in.
504055	4624	Sky Blue	100 yd.	3/4 in.
504060	4602	Sunflower Yellow	100 yd.	3/4 in.
504014	4614	Tan	100 yd.	3/4 in.
504042	4648	Taupe	100 yd.	3/4 in.
504059	2389	Toast Tweed	100 yd.	3/4 in.
504048	4628	Toast	100 yd.	3/4 in.
504041	4621	True Brown	100 yd.	3/4 in.
504030	4610	Turquoise	100 yd.	3/4 in.

Sunbrella® is a registered trademark of Glen Raven, Inc.

## Aqualon® Edge Binding

Double-folded, straight cut. Colors match Aqualon Edge marine top and cover fabric.

Item #	Style #	Color	Put Up	Width
502757	17	Alpine White	100 yd.	3/4 in.
502753	07	Apple Red	100 yd.	3/4 in.
502762	44	Atlantic Blue	100 yd.	3/4 in.
502764	68	Basic Beige	100 yd.	3/4 in.
502750	00	Black Onyx	100 yd.	3/4 in.
502755	09	Cabernet	100 yd.	3/4 in.
502758	18	Charcoal Grey	100 yd.	3/4 in.
502767	13	Cherry Red	100 yd.	3/4 in.

Item #	Style #	Color	Put Up	Width
502754	08	Coastal Ivory	100 yd.	3/4 in.
502765	69	Indigo Blue	100 yd.	3/4 in.
502751	03	Ivy Green	100 yd.	3/4 in.
502759	21	Mountain Taupe	100 yd.	3/4 in.
502760	28	Nautical Navy	100 yd.	3/4 in.
502770	25	Oxford Tan	100 yd.	3/4 in.
502766	71	Slate Grey	100 yd.	3/4 in.
502763	49	Toast	100 yd.	3/4 in.
502756	12	True Blue	100 yd.	3/4 in.
502752	04	True Teal	100 yd.	3/4 in.

Aqualon® is a registered trademark of Glen Raven, Inc.



502351

## Riviera Marine Fabric™ Binding

Binding matches to Herculite® Riviera Marine Fabric, which creates a uniform marine fabrication. Made from a 100% PVC composite supported by high strength woven polyester, this high-quality fabric features the Rain Kleen® II finish, making it well suited for a variety of marine environments. This bias cut binding assures pucker free seams around curves and radius.

Item #	Description	Color	Put Up	Width
502352	Double-Fold	Ivory	50 yd.	3/4 in.
502355	Double-Fold	Snow White	50 yd.	1 in.
502350	Double-Fold	Snow White	50 yd.	3/4 in.
502356	Double-Fold	White	50 yd.	1 in.
502351	Double-Fold	White	50 yd.	3/4 in.
502360	Single-Fold	Snow White	50 yd.	1-1/4 in.

Herculite® and Rain-Kleen® are registered trademarks of Herculite Products Inc. Herculite Riviera Marine Fabric™ is a trademark of Herculite Products Inc.



502245

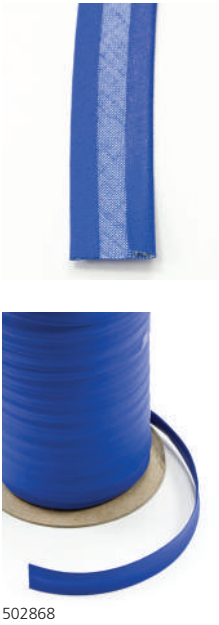
## Regatta® Binding

This vinyl laminated, polyester bias cut binding is made from waterproof and mildew-resistant Regatta Marine Fabric.

Item #	Style #	Description	Color	Put Up	Width
502265	45	Double-Fold	Black	50 yd.	1 in.
502245	45	Double-Fold	Black	50 yd.	3/4 in.
502259	39	Double-Fold	Ivory	50 yd.	1 in.
502239	39	Double-Fold	Ivory	50 yd.	3/4 in.
502247	17	Double-Fold	White	50 yd.	1 in.
502230	17	Double-Fold	White	50 yd.	3/4 in.
502267	17	Single-Fold	White	50 yd.	1-1/4 in.

Regatta® is a registered trademark of Herculite Products Inc.





## Serge Ferrari Stamoid® Binding

This binding is made from lightweight and durable Stamoid marine fabric. Coordinate with colors in the marine fabric collection for easy design. Edge turned with a bias cut to ensure maximum flexibility.

Item #	Style #	Color	Put Up	Width
502893	2ET	Black	100 yd.	1 in.
502921	1ET	Black	100 yd.	1-1/4 in.
502871	2ET	Black	100 yd.	3/4 in.
502895	2ET	Cream	100 yd.	1 in.
502861	2ET	Cream	100 yd.	3/4 in.
502892	2ET	Ivory	100 yd.	1 in.
502912	1ET	Ivory	100 yd.	1-1/4 in.
502862	2ET	Ivory	100 yd.	3/4 in.
502894	2ET	Navy	100 yd.	1 in.
502872	2ET	Navy	100 yd.	3/4 in.
502864	2ET	Pearl Gray	100 yd.	3/4 in.
502868	2ET	Royal Blue	100 yd.	3/4 in.
502863	2ET	Sand	100 yd.	3/4 in.
502865	2ET	Silver	100 yd.	3/4 in.
502891	2ET	Snow White	100 yd.	1 in.
502914	1ET	Snow White	100 yd.	1-1/4 in.
502873	2ET	Snow White	100 yd.	3/4 in.
502890	2ET	White	100 yd.	1 in.
502910	1ET	White	100 yd.	1-1/4 in.
502860	2ET	White	100 yd.	3/4 in.

Stamoid® is a registered trademark of The Serge Ferrari Group.



## Binding – Vinyl – Imperial

An embossed coated vinyl on a drill backing. Bias cut. The vinyl and drill contain mildew inhibitors for added life.

Item #	Style #	Color	Put Up	Width
515606	560 RE	Beige	135 yd.	1-1/4 in.
504825	552	Black	100 yd.	1-1/4 in.
515590	949	Black	100 yd.	1-1/4 in.
504633	552	Black	100 yd.	3/4 in.
515595	949	Black	100 yd.	3/4 in.
515593	553	Blue	100 yd.	1-1/4 in.
504826	562	Buckskin	100 yd.	1-1/4 in.
515581	576	Burgundy	100 yd.	1-1/4 in.
515592	950	Oyster	100 yd.	1-1/4 in.
515597	950	Oyster	100 yd.	3/4 in.
504822	568	Slate Gray	100 yd.	1-1/4 in.
515591	948	White	100 yd.	1-1/4 in.
504492	551	White	100 yd.	1-1/4 in.
504495	9753	White	100 yd.	1-1/4 in.
515596	948	White	100 yd.	3/4 in.



515578

## Binding – Vinyl – 300 Series

An extremely durable, seamed bias binding. Embossed vinyl on strong, high quality 14 to 15 ounce backing. Bias cut. Resists dirt, ultraviolet rays, and fraying.

Item #	Style #	Color	Put Up	Width
515584	308	Black	100 yd.	1-1/4 in.
515580	308	Black	100 yd.	3/4 in.
504830	354	Jade	100 yd.	3/4 in.
515576	312	Light Gray	100 yd.	1-1/4 in.
515577	312	Light Gray	100 yd.	3/4 in.
504831	325	Navy	100 yd.	3/4 in.
515587	310	Oyster	100 yd.	1-1/4 in.
515583	310	Oyster	100 yd.	3/4 in.
515578	302	Royal	100 yd.	3/4 in.
515601	309	White	100 yd.	1 in.
515586	309	White	100 yd.	1-1/4 in.
515582	309	White	100 yd.	3/4 in.



503982

## Sur Last® Binding

Sur Last double-fold bias cut binding is made from lightweight, yet strong and flexible Sur Last 100%, solution-dyed polyester fabric. Binding provides a finished and attractive appearance.

Item #	Color	Put Up	Width
503982	Black	100 yd.	3/4 in.

Sur Last® is a registered trademark of Glen Raven, Inc.



502301

## Sunbrella® Facing

Cut from genuine Sunbrella. Wider than traditional folded binding. Can be used as a zipper facing or cover and hem application.

Item #	Style #	Color	Put Up	Width
502308	4608	Black	60 yd.	1-1/2 in.
502408	4608	Black	60 yd.	2 in.
502449	4608	Black	60 yd.	2-1/2 in.
502431	4631	Burgundy	60 yd.	2 in.
502430	4630	Cadet Grey	60 yd.	2 in.
502346	4646	Captain Navy	60 yd.	1-1/2 in.
502446	4646	Captain Navy	60 yd.	2 in.
502412	4606	Dubonnet Tweed	60 yd.	2 in.
502437	4637	Forest Green	60 yd.	2 in.
502416	4654	Linen Tweed	60 yd.	2 in.
502290	4633	Linen	60 yd.	1-1/2 in.
502414	4633	Linen	60 yd.	2 in.
502415	4652	Mediterranean Blue	60 yd.	2 in.
502404	4604	Natural	60 yd.	2 in.
502326	4626	Navy	60 yd.	1-1/2 in.

Item #	Style #	Color	Put Up	Width
502426	4626	Navy	60 yd.	2 in.
502401	4601	Pacific Blue	60 yd.	2 in.
502289	4628	Toast	60 yd.	1-1/2 in.
502413	4628	Toast	60 yd.	2 in.

Sunbrella® is registered trademark of Glen Raven, Inc.



502210

## Regatta® Facing

Vinyl facing made from Regatta marine vinyl fabric.

Item #	Style #	Color	Put Up	Width
502211	39	Ivory	50 yd.	2 in.
502202	17	White	50 yd.	1-1/2 in.
502210	17	White	50 yd.	2 in.

Regatta® is a registered trademark of Herculite Products Inc.



502856

## Serge Ferrari Stamoid® Facing

Vinyl facing made from Stamoid marine vinyl fabric.

Item #	Color	Put Up	Width
502856	Black	50 yd.	2 in.
502849	Cream	50 yd.	1-1/2 in.
502855	Cream	50 yd.	2 in.
502847	Snow White	50 yd.	1-1/2 in.
502851	Snow White	50 yd.	2 in.
502848	White	50 yd.	1-1/2 in.
502854	White	50 yd.	2 in.

Stamoid® is a registered trademark of The Serge Ferrari Group.



505407

## Welting – Welt Cord

Foam welt cord is used in all upholstery applications. Simply sew vinyl, leather, or fabric around the welt cord leaving a flange to be sewn into the seams of the upholstery. Excellent for use in automotive, furniture, and marine applications.

Made of polyethylene foam, this quality and durable welt cord is used for cushion and seating upholstery. Popular in the fine furniture industry and durable enough for use in the marine and automotive industries.

Item #	Style #	Description	Color	Put Up	Width
505407	773		Off White	50 yd.	5/32 in.
505406	771		White	50 yd.	5/32 in.
515538	B832500-4	Braided Paper	White	500 yd.	8/32 in.
515547		Foam (No Filler)	White	1250 yd., 6/box	4/32 in.
515526	4321000	Foam	White	1000 yd.	4/32 in.
515530	5321000-6	Foam	White	1000 yd.	5/32 in.

## Welt

Use this hollow welt cord to add attractive piping to marine seating and other upholstery projects. Made from heavy-grade but flexible plastic, the welting is built to last. Easily sew fabric around the cord and glue into the seams of the furniture for an elegant finish.

Item #	Style #	Description	Put Up	Size
578100	PEH432500-6	Hollow PE	1500 ft.	4/32 in.

## Nassimi Breeze Seaquest Hidem Gimp

Hidem gimp is used to hide staples in upholstery and headliner applications. Colors correspond with the Nassimi Breeze Seaquest Vinyl Upholstery collection. Some items available in full rolls only.

Item #	Color	Put Up	Width
515831	American Beauty	25 yd.	5/8 in.
515832	Anchor	25 yd.	5/8 in.
515833	Buff	25 yd.	5/8 in.
515834	Chalk	25 yd.	5/8 in.
515836	Dune	25 yd.	5/8 in.
515837	Ebony	25 yd.	5/8 in.
515838	Emerald	25 yd.	5/8 in.
515839	Forest	25 yd.	5/8 in.
515840	Hampton	25 yd.	5/8 in.
515843	Lighthouse Red	25 yd.	5/8 in.
515844	Lotion	25 yd.	5/8 in.
515845	Marble	25 yd.	5/8 in.
515846	Midnight	25 yd.	5/8 in.
515847	Mist	25 yd.	5/8 in.
515849	Navy	25 yd.	5/8 in.
515850	Oyster	25 yd.	5/8 in.
515851	Pearl Oyster	25 yd.	5/8 in.
515852	Pelican	25 yd.	5/8 in.
515853	Royal	25 yd.	5/8 in.
515854	Ruby	25 yd.	5/8 in.
515855	Sea White	25 yd.	5/8 in.
515856	Smoke	25 yd.	5/8 in.
515857	Teal	25 yd.	5/8 in.
515859	Too White	25 yd.	5/8 in.
515860	White Ice	25 yd.	5/8 in.



515830

## Nautolex® Capitano™ Hidem Gimp

Made from durable vinyl, this Nautolex Capitano hidem gimp outlasts extreme marine settings. The center-split welt resists dirt, UV rays, mildew, and fraying. Use the versatile binding to conceal staples in boat upholstery, headliners, and other marine fabric trim applications.

Item #	Style #	Color	Put Up	Width
515825	449192	Beach White	25 yd.	3/4 in.
515822	448000	Cloud White	25 yd.	3/4 in.
515820	448001	Conch Shell	25 yd.	3/4 in.
515828	448007	Cyberspace	25 yd.	3/4 in.
515830	448008	Sandshell	25 yd.	3/4 in.

Nautolex® is a registered trademark of OMNOVA Solutions, Inc. Capitano™ is a trademark of OMNOVA Solutions, Inc.



515623

## Hidem Gimp – Acrylic

A very durable, acrylic split hidem gimp. Resists dirt, ultraviolet rays, mildew and fraying. Used to hide staples in upholstery and headliner applications.

Item #	Style #	Color	Put Up	Width
515623	4637	Forest Green	100 yd.	5/8 in.



515617

## Hidem Gimp

A very durable split hidem gimp. Resists dirt, ultraviolet rays, mildew and fraying. Used to hide staples in upholstery and headliner applications.

Item #	Style #	Color	Put Up	Width
515617	308	Black	50 yd.	5/8 in.



Item #	Style #	Color	Put Up	Width
515733	771	Mystic White	50 yd.	5/8 in.
515734	773	Off White	50 yd.	5/8 in.
515600		White	50 yd.	5/8 in.

## Nassimi Breeze Seaquest Welt

Welt is used to visually enhance a seam on seating. Colors correspond with the Nassimi Breeze Seaquest Vinyl Upholstery collection.

Item #	Color	Put Up	Width
515861	American Beauty	50 yd.	5/8 in.
515862	Anchor	50 yd.	5/8 in.
515863	Buff	50 yd.	5/8 in.
515864	Chalk	50 yd.	5/8 in.
515865	Cove	50 yd.	5/8 in.
515866	Dune	50 yd.	5/8 in.
515867	Ebony	50 yd.	5/8 in.
515868	Emerald	50 yd.	5/8 in.
515869	Forest	50 yd.	5/8 in.
515870	Hampton	50 yd.	5/8 in.
515872	Lemon Peel	50 yd.	5/8 in.
515873	Lighthouse Red	50 yd.	5/8 in.
515874	Lotion	50 yd.	5/8 in.
515875	Marble	50 yd.	5/8 in.
515876	Midnight	50 yd.	5/8 in.
515877	Mist	50 yd.	5/8 in.
515878	Navel	50 yd.	5/8 in.
515879	Navy	50 yd.	5/8 in.
515880	Oyster	50 yd.	5/8 in.
515882	Pelican	50 yd.	5/8 in.
515883	Royal	50 yd.	5/8 in.
515885	Sea White	50 yd.	5/8 in.
515886	Smoke	50 yd.	5/8 in.
515887	Teal	50 yd.	5/8 in.
515889	Too White	50 yd.	5/8 in.
515890	White Ice	50 yd.	5/8 in.



578055

## Welt – Rubber Spray

Made from EPDM, a dense non-marking rubber, this spray welt stays soft and easy to mold to a windshield or any other surface. With no foam to disintegrate, it lasts much longer than other weltings. It is also stronger, less likely to rip out, making it trouble free.

Item #	Style #	Color	Put Up	Size
578055	3707-EP	Black	300 ft.	3/8 in. x 3/4 in.
578094	3707-EP	Black	100 ft.	3/8 in. x 3/4 in.



578046

## Welt – Windshield

Made of vinyl-encased foam and used as a gasket between the boat top and the windshield to prevent water from entering.

Item #	Style #	Color	Material	Put Up	Size
578026	3707-10	Black	10 mil Vinyl	500 feet	3/8 in. x 1-1/8 in.
578046	3707-10	Black	10 mil Vinyl	150 ft.	3/8 in. x 1-1/8 in. x 1/2 in. Flap
578020	3705-6	Black	6 mil Vinyl	500 feet	3/8 in. x 7/8 in.
578040	3705-6	Black	6 mil Vinyl	150 ft.	3/8 in. x 7/8 in. x 1/2 in. Flap
578021	3705-6	Gray	6 mil Vinyl	500 feet	3/8 in. x 7/8 in.



578056



## Xtreme Seal®

Xtreme Seal edge seal is a high-tech extrusion, engineered and manufactured with an advanced EPDM material. It's a closed-cell flexible material that can be glued or sewn to most materials and surfaces. The flexibility and unique design creates a three-point contact seal on most surfaces. Xtreme Seal is an ideal choice for an edge seal on all types of custom covers, such as convertible tops, side curtains, camper enclosures, windshield tops and sides, front-drop windshields, and deck seals. Sold in full rolls only.

Item #	Style #	Color	Put Up	Width
578056	POD6	Black	50 ft.	1.85 in.
578057	POD7	White	50 ft.	1.85 in.

Xtreme Seal® is a registered trademark of Xtreme Seal LLC.



578051

## Xtreme Seal® Ultra Seal

Xtreme Seal Ultra Seal is designed for a great edge seal. It works well with DOT® Common Sense® fasteners and gives a flatter finished profile. Sold in full rolls only.

Item #	Style #	Color	Put Up	Width
578051	POD9	Black	100 ft.	1.8 in.

Xtreme Seal® is a registered trademark of Xtreme Seal LLC. DOT® and Common Sense® are registered trademarks of Scovill, Inc.



578053

## Xtreme Seal® V-Seal

Xtreme V-Seal works well with all cutouts and tight corners, bow covers and radar arch cutouts. Sold in full rolls only.

Item #	Style #	Color	Put Up	Width
578050	POD13	White	100 ft.	0.691 in.
578053	POD11	Black	100 ft.	0.691 in.

Xtreme Seal® is a registered trademark of Xtreme Seal LLC.



578054

## Xtreme Seal® Awning Seal

Awning installations are a breeze with Xtreme Seal Awning Seal. Designed for the awning industry as a gasket material between the frame and the mounting surface, Xtreme Seal Awning Seal conforms to the contour of the mounting surface, eliminating the need for silicone and providing a clean finished product. Made of EPDM synthetic rubber, Xtreme Seal Awning Seal also features an adhesive back, saving time and making mounting easy. Sold in full rolls only.

Item #	Style #	Color	Put Up
578054	POD-AW	Black	250 ft.



542001

## Thread – Aqua-Seal™

Aqua-Seal polyester thread and bobbins when used as a system provides a strong deterrent to seam leakage. Aqua-Seal thread is colorfast, UV resistant, and non-wicking. When Aqua-Seal thread is used with its pre-wound bobbin, it fills the needle holes as the fabric is stitched.

Item #	Color	Put Up	Size
542031	Black	1 lbs. tubes, 2650 yd.	138 / T135
542001	Black	1 lbs. tubes, 3600 yd.	92+ / T110
542002	Natural Tan	1/2 lbs. tubes, 1800 yd.	92+ / T110
542030	White	1 lbs. tubes, 2650 yds	138 / T135
542000	White	1 lbs. tubes, 3600 yd.	92+ / T110

Aqua-Seal™ is a trademark of Fil-Tec, Inc.



542332

## Thread – Coats Dabond® Nano

This thread provides all the strength characteristics as regular Dabond plus has an anti-wick finish that minimizes seam leakage.

Item #	Description	Average Breaking Strength	Color	Color #	Put Up	Size
542558		22.6 lbs.	Black	4608	16 oz. tube	V-138 (#12)
542530		14.5 lbs.	Black	4608	16 oz. tube	V-92 (#16)
542336		14.5 lbs.	Black	4608	8 oz. tube	V92
542346		14.5 lbs.	Cadet Gray	4630	8 oz. tube	V92
542352		14.5 lbs.	Forest Green	4637	8 oz. tube	V92
542332		14.5 lbs.	Jockey Red	4603	8 oz. tube	V92
542350		14.5 lbs.	Linen	4633	8 oz. tube	V92
542334		14.5 lbs.	Natural	4604	8 oz. tube	V92
542330		14.5 lbs.	Pacific Blue	4601	8 oz. tube	V92
542557		22.6 lbs.	White		16 oz. tube	V-138 (#12)
542526		10.9 lbs.	White		16 oz. tube	V-69 (#24)
542532	Anti-Wick	14.5 lbs.	White		16 oz. tube	V-92 (#16)
542543		14.5 lbs.	White		16 oz. tube	V-92

Dabond® is a registered trademark of J. & P. Coats, Limited.



551952

## Thread – Coats Dual Duty®

Dual Duty is “core”-type thread made by spinning a high-grade cotton warp around a continuous multi-filament polyester core. Low shrinkage as compared to cotton, high single end strength, stronger seams than with cotton of equivalent size, and excellent resistance to abrasion. When wet, cotton swells to fill needle holes in fabric, which reduces seam leakage.

Item #	Color	Put Up	Size
551952	Natural	1-1/2 lb. cones, 5,000 yd./cone, 18/box	150

Dual Duty® is a registered trademark of J. & P. Coats, Limited.



551905

## Thread – Coats Polymatic® Drip Stop Bonded Monocord Dacron®

Polymatic Drip-Stop inhibits the capillary action that causes seam leakage. Where seam leakage would detract from the utility of the end product, specify this thread.

Item #	Approx. Yards Per Pound	Average Breaking Strength	Color	Put Up	Size
551906	3500	18 lbs.	Black	1 lb. tubes, 40/box	125
551905	3500	18 lbs.	White	1 lb. tubes, 40/box	125
551915	3800	18 lbs.	White	1 lb. tubes, 40/box	FF

Polymatic® is a registered trademark of J. & P. Coats, Limited. Dacron® is a registered trademark of INVISTA™.



551938

## Thread – Coats Polymatic® Bonded Monocord Dacron®

A bonded monocord Dacron thread treated for maximum resistance to UV degradation. This thread has increased lubrication to protect the thread during the sewing process. Stronger than twisted threads, therefore a smaller thread size can be used. Less prone to ravel and knot during sewing. Its oval profile reduces exposure of thread to surface abrasion. Can be used on both sides of double needle machine.

Item #	Style #	Approx. Yards Per Pound	Average Breaking Strength	Color	Put Up	Size
551943	40560-S2562P	3572	18 lbs.	Ashes	1 lb. tubes, 40/box	125
551913	40560-S1941P	3572	18 lbs.	Beige	1 lb. tubes, 40/box	125
551938	40440-S1941P	3783	15.5 lbs.	Beige	1 lb. tubes, 40/box	FF
551926	40560-SBLACKD	3572	18 lbs.	Black	1 lb. tubes, 40/box	125
551917	40660-SBLACKD	2800	22 lbs.	Black	1 lb. tubes, 40/box	160
551936	40440-SBLACKD	3783	15.5 lbs.	Black	1 lb. tubes, 40/box	FF
551928	40560-S7143P	3572	18 lbs.	Blue	1 lb. tubes, 40/box	125
551929	40560-S1522P	3572	18 lbs.	Brown	1 lb. tubes, 40/box	125
551922	40560-S0042P	3572	18 lbs.	Grey	1 lb. tubes, 40/box	125
551946	40560-S8011P	3572	18 lbs.	Indigo	1 lb. tubes, 40/box	125
551927	40560-S2722P	3572	18 lbs.	Olive Drab	1 lb. tubes, 40/box	125
551921	40560-S0538P	3572	18 lbs.	Red	1 lb. tubes, 40/box	125
551924	40560-S4234P	3572	18 lbs.	Shoe Green	1 lb. tubes, 40/box	125
551930	40560-S5044P	3572	18 lbs.	Turf Green	1 lb. tubes, 40/box	125
551925	40560-WHITE	3572	18 lbs.	White	1 lb. tubes, 40/box	125
551919	40660-WHITE	2800	22 lbs.	White	1 lb. tubes, 40/box	160
551935	40440-WHITE	3783	15.5 lbs.	White	1 lb. tubes, 40/box	FF

Polymatic® is a registered trademark of J. & P. Coats, Limited. Dacron® is a registered trademark of INVISTA™.



541800

## Thread – Coats Ultra Dee® Polyester

A corded thread made from a high strength, resilient and continuous filament polyester. Heat set to minimize shrinkage or stretch. The bonded finish adds strength and reduces fraying at needle eye. All are left twist threads.

Item #	Style #	Description	Approx. Yards Per Tube	Average Breaking Strength	Color	Put Up	Size
541826	18100-35123	Bonded	1147	14.2 lbs.	Ashes	4 oz. tubes, 10/box	DB92 (#16)
541326	11880-3187	Bonded	4141	14.2 lbs.	Beaver	1 lb. tubes, 50/box	DB92 (#16)
541805	18100-3187	Bonded	1147	14.2 lbs.	Beaver	4 oz. tubes, 10/box	DB92 (#16)
541322	15630-BLACKD	Bonded	2913	21.4 lbs.	Black	1 lb. tubes, 50/box	DB138 (#12)
541325	11800-BLACKD	Bonded	5549	10.5 lbs.	Black	1 lb. tubes, 50/box	DB69 (#24)
541323	15660-BLACKD	Bonded	4141	14.2 lbs.	Black	1 lb. tubes, 50/box	DB92 (#16)
541816	15660-BLACKD	Bonded	1147	14.2 lbs.	Black	4 oz. tubes, 10/box	DB92 (#16)
541213	15640-BLACKD	Gral Anti-Static Finish	3100	21.4 lbs.	Black	1 lb. tubes, 50/box	138 (#12)
542415	11750-BLACKD	Gral Anti-Static Finish	5549	10.5 lbs.	Black	1 lb. tubes, 50/box	DB69 (#24)
541817	18100-33624	Bonded	1147	14.2 lbs.	Blue	4 oz. tubes, 10/box	DB92 (#16)
541823	18100-11286	Bonded	1147	14.2 lbs.	Chocolate Brown	4 oz. tubes, 10/box	DB92 (#16)
541808	18100-4815	Bonded	1147	14.2 lbs.	Gold	4 oz. tubes, 10/box	DB92 (#16)
541809	18100-4815	Bonded	1147	14.2 lbs.	Hunter Green	4 oz. tubes, 10/box	DB92 (#16)
541803	18100-2328	Bonded	1147	14.2 lbs.	Malaga	4 oz. tubes, 10/box	DB92 (#16)



Item #	Style #	Description	Approx. Yards Per Tube	Average Breaking Strength	Color	Put Up	Size
541821	18100-33784	Bonded	1147	14.2 lbs.	Medium Titanium	4 oz. tubes, 10/box	DB92 (#16)
541813	18100-6085	Bonded	1147	14.2 lbs.	Navy	4 oz. tubes, 10/box	DB92 (#16)
541319	15630-2722	Bonded	3100	21.4 lbs.	Olive Drab	1 lb. tubes, 50/box	DB138 (#12)
541815	18100-12923	Bonded	1147	14.2 lbs.	Peasant Beige	4 oz. tubes, 10/box	DB92 (#16)
541800	18100-107	Bonded	1147	14.2 lbs.	Red	4 oz. tubes, 10/box	DB92 (#16)
541356	11940-33624	Bonded	1035	14 lbs.	Rhonda Blue	1 lb. tubes, 50/box	DB138 (#12)
541844	18100-37313	Bonded	1147	14.2 lbs.	Ripe Raisin	4 oz. tubes, 10/box	DB92 (#16)
541831		Bonded	1147	14.2 lbs.	Sand	4 oz. tubes, 10/box	DB92 (#16)
541842	18100-3543	Bonded	1147	14.2 lbs.	Spruce	4 oz. tubes, 10/box	DB92 (#16)
541357	11940-8065	Bonded	1035	14 lbs.	Steel Grey	1 lb. tubes, 50/box	DB138 (#12)
541818	18100-4285	Bonded	1147	14.2 lbs.	Terra Cotta	4 oz. tubes, 10/box	DB92 (#16)
541320	15630-WHITE	Bonded	2913	21.4 lbs.	White	1 lb. tubes, 50/box	DB138 (#12)
542102	12050-WHITE	Bonded	1876	31.4 lbs.	White	1 lb. tubes, 50/box	DB207 (#4)
541324	11800-WHITE	Bonded	5549	10.5 lbs.	White	1 lb. tubes, 50/box	DB69 (#24)
541321	15660-WHITE	Bonded	4141	14.2 lbs.	White	1 lb. tubes, 50/box	DB92 (#16)
541838	18100-WHITE	Bonded	1147	14.2 lbs.	White	4 oz. tubes, 10/box	DB92
541214	15640-WHITE	Gral Anti-Static Finish	3100	21.4 lbs.	White	1 lb. tubes, 50/box	DB138 (#12)
542414	11750-WHITE	Gral Anti-Static Finish	5549	10.5 lbs.	White	1 lb. tubes, 50/box	DB69 (#24)

Ultra Dee® is a registered trademark of J. & P. Coats, Limited.



## Thread – A&E Poly Nu Bond™ Twisted Non-Wick Polyester

Poly Nu Bond has superior strength, stretch and recovery properties and excellent resistance to chemicals, bacteria, mildew, wear and abrasion. This thread is made of quality, high tenacity, heat resistant, continuous filament yarn. Special waxes, silicones and oils are applied to lubricate the thread, reducing needle heat and increasing sewability. This also aids in the application of constant machine tension and good loop formation.

Item #	Description	Approx. Yards Per Pound	Average Breaking Strength	Color	Color #	Put Up	Size
542453		2700	23 lbs.	Black	4608	1 lb. tubes	138
542455		5700	10 lbs.	Black	4608	1 lb. tubes	69
542451		4200	13.8 lbs.	Black	4608	1 lb. tubes	92
540305	Right Twist	2700	23 lbs.	Black	4608	1 lb. tubes	138
540431		2700	23 lbs.	Burgundy	4631	1 lb. tubes	138
540631		4200	13.8 lbs.	Burgundy	4631	1 lb. tubes	92
540430		2700	23 lbs.	Cadet Gray	4630	1 lb. tubes	138
540705		5700	10 lbs.	Cadet Gray	4630	1 lb. tubes	69
540630		4200	13.8 lbs.	Cadet Gray	4630	1 lb. tubes	92
540334		2700	23.8 lbs.	Desert Tan		1 lb. tubes	138
540300		2700	23 lbs.	Erin Green	4600	1 lb. tubes	138
540437		2700	23 lbs.	Forest Green	4637	1 lb. tubes	138
540637		4200	13.8 lbs.	Forest Green	4637	1 lb. tubes	92
540403		2700	23 lbs.	Jockey Red	4603	1 lb. tubes	138
540603		4200	13.8 lbs.	Jockey Red	4603	1 lb. tubes	92

Item #	Description	Approx. Yards Per Pound	Average Breaking Strength	Color	Color #	Put Up	Size
540706		5700	10 lbs.	Navy Blue	4626	1 lb. tubes	69
540346		2700	23 lbs.	Navy	4646	1 lb. tubes	138
540546		4200	13.8 lbs.	Navy	4646	1 lb. tubes	92
540433		2700	23 lbs.	New Linen	4633	1 lb. tubes	138
540633		4200	13.8 lbs.	New Linen	4633	1 lb. tubes	92
540439		2700	23 lbs.	Olive Drab		1 lb. tubes	138
540639		4200	13.8 lbs.	Olive Drab		1 lb. tubes	92
540301		2700	23 lbs.	Pacific Blue	4601	1 lb. tubes	138
540501		4200	13.8 lbs.	Pacific Blue	4601	1 lb. tubes	92
540620		4200	13.8 lbs.	Steel Gray		1 lb. tubes	92
540328		2700	23 lbs.	Toast	4628	1 lb. tubes	138
540704		5700	10 lbs.	Toast	4628	1 lb. tubes	69
540528		4200	13.8 lbs.	Toast	1628	1 lb. tubes	92
540321		2700	23 lbs.	True Brown	4621	1 lb. tubes	138
540521		4200	13.8 lbs.	True Brown	4621	1 lb. tubes	92
542452		2700	23 lbs.	White		1 lb. tubes	138
542454		5700	10 lbs.	White		1 lb. tubes	69
542450		4200	13.8 lbs.	White		1 lb. tubes	92
540304	Right Twist	2700	23 lbs.	White		1 lb. tubes	138

Poly Nu Bond™ is a trademark of American & Efird Enterprises, Inc.

## Thread – PremoBond Bonded Polyester

In the performance fabrics industry, even the thread needs to outlast coarse conditions. With anti-wicking and mildew-resistant properties, PremoBond thread is perfect for high-moisture settings. Its exclusive UV dye and bonding process ensure maximum fade prevention and bleed resistance. A pioneer in the sewing thread market, its custom lubricant provides clean running for first-rate sewability. The continuous filament, bonded polyester makes it 30% stronger than leading brands.

PremoBond thread works great in outdoor and marine fabric applications, awnings and shade, filtration, tarps, slings, geotextiles, and other industrial purposes. Made in the USA.

Item #	Style #	Description	Approx. Yards Per Tube	Average Breaking Strength	Color	Put Up	Size
543031	BPT 138		2650	20 lbs.	Black	16 oz. spool	Tex 135
543011	BPT 92		4050	13.3 lbs.	Black	16 oz. spool	Tex 90
543039	BPT 138		1388	20 lbs.	Brown	8 oz. spool	Tex 135
543019	BPT 92		2125	13.3 lbs.	Brown	8 oz. spool	Tex 90
543041	BPT 138		1388	20 lbs.	Burgundy	8 oz. spool	Tex 135
543014	BPT 92		2125	13.3 lbs.	Burgundy	8 oz. spool	Tex 90
543036	BPT 138		1388	20 lbs.	Forest Green	8 oz. spool	Tex 135
543015	BPT 92		2125	13.3 lbs.	Forest Green	8 oz. spool	Tex 90
543034	BPT 138		1388	20 lbs.	Marine Blue	8 oz. spool	Tex 135
543017	BPT 92		2125	13.3 lbs.	Marine Blue	8 oz. spool	Tex 90
543033	BPT 138		1388	20 lbs.	Navy	8 oz. spool	Tex 135
543018	BPT 92		2125	13.3 lbs.	Navy	8 oz. spool	Tex 90
543037	BPT 138		1388	20 lbs.	Olive Drab	8 oz. spool	Tex 135
543016	BPT 92		2125	13.3 lbs.	Olive Drab	8 oz. spool	Tex 90
543040	BPT 138		1388	20 lbs.	Red	8 oz. spool	Tex 135
543013	BPT 92		2125	13.3 lbs.	Red	8 oz. spool	Tex 90

Item #	Style #	Description	Approx. Yards Per Tube	Average Breaking Strength	Color	Put Up	Size
543038	BPT 138		1388	20 lbs.	Sand	8 oz. spool	Tex 135
543012	BPT 92		2125	13.3 lbs.	Sand	8 oz. spool	Tex 90
543035	BPT 138		1388	20 lbs.	Steel Grey	8 oz. spool	Tex 135
543020	BPT 92		2125	13.3 lbs.	Steel Grey	8 oz. spool	Tex 90
543032	BPT 138	Right Twist	2850	20 lbs.	White	16 oz. spool	Tex 135
543030	BPT 138		2850	20 lbs.	White	16 oz. spool	Tex 135
543010	BPT 92		4350	13.3 lbs.	White	16 oz. spool	Tex 90

## Thread – Premofast™

A colorfast and fade resistant poly bonded monocord thread.

Every possible care is exercised to furnish colors of proper fastness for the particular work involved, however, inasmuch as conditions of use (i.e. contrast stitching, volatile environments, etc), washing, cleaning, pressing, etc., vary considerably in thread usage, the buyer should ensure by prior experimentation that the dye fastness of the thread is suitable for the purpose. Almost no thread is 100% colorfast under all circumstances. Vinyls contain plasticizers which can promote color bleeding. As the cost of the thread is so disproportionate to the value of the goods onto which it is sewn, in the unlikely event of a claim, we are not responsible for consequential damages.

Item #	Approx. Yards Per Pound	Average Breaking Strength	Color	Put Up	Size
542901	2800	23 lbs.	Black	1 lb. spool	WS138
542946	3600	18 lbs.	Black	1 lb. spool	WS92+
542960	3600	18 lbs.	Burgundy	1/2 lb. spool	WS92+
542980	3600	18 lbs.	Forest Green	1/2 lb. spool	WS92+
542957	3600	18 lbs.	Marine Blue	1/2 lb. spool	WS92+
542955	3600	18 lbs.	Natural Tan	1/2 lb. spool	WS92+
542956	3600	18 lbs.	Ruby Red	1/2 lb. spool	WS92+
542962	3600	18 lbs.	Steel Gray	1 lb. spool	WS92+
542900	2800	23 lbs.	White	1 lb. spool	WS138
542945	3600	18 lbs.	White	1 lb. spool	WS92+

Premofast™ is a trademark of Fil-Tec, Inc.



542750

## Thread – A&E Special

Item #	Description	Approx. Yards Per Tube	Color	Material	Put Up	Size
542753	Bonded	5923	Black	Nylon	16 oz. tubes, 40/case	69
542750	Bonded	5923	White	Nylon	16 oz. tubes, 40/case	69



540206

## Thread – A&E SunStop®

Designed for the outdoor market, SunStop thread is made of 100% continuous filament polyester with enhanced UV and fade protection and a non-wicking finish. Use SunStop for outdoor applications requiring UV protection, such as tents, awnings, and canvas and marine applications.

Item #	Style #	Approx. Yards Per Tube	Color	Put Up	Size
540266	66503	1350	Beige	8 oz. spool	T135
540207	66503	2100	Beige	8 oz. spool	T90
540277	66501	2700	Black	16 oz. spool	T135
540275	66501	1350	Black	8 oz. spool	T135
540231	66501	4200	Black	16 oz. spool	T90
540216	66501	2100	Black	8 oz. spool	T90
540271	66504	1350	Burgundy	8 oz. spool	T135
540212	66504	2100	Burgundy	8 oz. spool	T90
540263	66511	1350	Cadet Grey	8 oz. spool	T135
540204	66511	1350	Cadet Grey	8 oz. spool	T90
540273	66518	1350	Captain Navy	8 oz. spool	T135
540214	66518	2100	Captain Navy	8 oz. spool	T90
540268	66506	1350	Forest Green	8 oz. spool	T135
540209	66506	2100	Forest Green	8 oz. spool	T90
540270	66507	1350	Jockey Red	8 oz. spool	T135
540211	66507	2100	Jockey Red	8 oz. spool	T90
540264	66517	1350	Linen	8 oz. spool	T135
550539	66517	4200	Linen	16 oz. spool	T90
540205	66517	2100	Linen	8 oz. spool	T90
550546	66519	2700	Logo Red	16 oz. spool	T135
540269	66519	1350	Logo Red	8 oz. spool	T135
550541	66519	4200	Logo Red	16 oz. spool	T90
540210	66519	2100	Logo Red	8 oz. spool	T90
540261	66502	1350	Natural	8 oz. spool	T135
540202	66502	1350	Natural	8 oz. spool	T90
540274	66508	1350	Navy	8 oz. spool	T135
550544	66508	4200	Navy	16 oz. spool	T90
540215	66508	2100	Navy	8 oz. spool	T90
540272	66513	1350	Pacific Blue	8 oz. spool	T135
550542	66513	4200	Pacific Blue	16 oz. spool	T90
540213	66513	2100	Pacific Blue	8 oz. spool	T90
540262	66509	1350	Silver	8 oz. spool	T135
540203	66509	2100	Silver	8 oz. spool	T90
540265	66512	1350	Toast	8 oz. spool	T135
540206	66512	2100	Toast	8 oz. spool	T90
540267	66510	1350	True Brown	8 oz. spool	T135
550540	66510	4200	True Brown	16 oz. spool	T90
540208	66510	2100	True Brown	8 oz. spool	T90
540276	66500	2700	White	16 oz. spool	T135
540260	66500	1350	White	8 oz. spool	T135
540230	66500	4200	White	16 oz. spool	T90
540201	66500	2100	White	8 oz. spool	T90

SunStop® is a registered trademark of American & Efird Enterprises, Inc.





552201

## Thread – Gore® Tenara® (Original Style)

Gore Tenara Sewing Thread has unique properties. This thread is unaffected by sunlight. UV radiation will not weaken or degrade it. Polyester threads, under daily sunlight exposure will lose as much as half their strength in as little as one year, and be down to 10% of their original strength in 3 years. Tenara maintains its strength and color indefinitely. Gore Tenara Sewing Thread will outlast the fabric that it is sewn into. Comes with a full warranty to that effect. It is unaffected by canvas cleaning solutions and will not stain, rot or mildew. Dirt just wipes off. Using Gore Tenara Sewing Thread means seams that will last.

Tenara Sewing Thread Original Style is the first generation of Tenara outdoor sewing thread. The Original Style sewing thread is unlubricated, with an elongation (or stretch) of five to seven percent.

FOR INDUSTRIAL USE ONLY. Not for use in food, drug, cosmetic, or medical device manufacturing, processing, or packaging operations.

Item #	Style #	Approx. Yards Per Tube	Color	Nominal Breaking Strength	Put Up	Size
552211	M1000-HBK	1775	Black	22 lbs.	1 lb. spools	138
552231	M1000HBK-5	950	Black	22 lbs.	1/2 lb. spools	138
552201	M1000-BK	3825	Black	12 lbs.	1 lb. spools	92
552221	M1000BK-5	1900	Black	12 lbs.	1/2 lb. spools	92
552210	M1000H	1900	White	25 lbs.	1 lb. spools	138
552230	M1000H-5	950	White	25 lbs.	1/2 lb. spools	138
552200	M1000	3825	White	14 lbs.	1 lb. spools	92
552220	M1000-5	1900	White	14 lbs.	1/2 lb. spools	92

Gore® and Tenara® are registered trademarks of W. L. Gore and Associates.



552263

## Thread – Gore® Tenara® (TR Style)

Gore Tenara Sewing Thread TR style builds on the features of the Original Style, but increases the choice of colors, as well as improving the sewability features. TR style comes in highly popular clear, providing a translucent thread that disappears into most fabrics, making color matching headaches go away. The patented TR style sewing thread has an elongation (or stretch) of approximately seventeen percent, making it more robust, which allows faster sewing. The TR style is lubricated with a silicone solution in all but the largest style.

FOR INDUSTRIAL USE ONLY. Not for use in food, drug, cosmetic, or medical device manufacturing, processing, or packaging operations.

Item #	Style #	Approx. Yards Per Tube	Color	Nominal Breaking Strength	Put Up	Size
552264	M1000TR-CB5	1900	Bay Blue	8 lbs.	1/2 lb. spools	92
552275	M1000TR-BK5	1900	Black	8 lbs.	1/2 lb. spools	92
552290	M1000LTR-L-5	2300	Clear	7 lbs.	1/2 lb. spools	69
553090	M1000KTR-L5	1900	Clear	10 lbs.	1/2 lb. spools	92
552265	M1000TR-FG5	1900	Forest Green	8 lbs.	1/2 lb. spools	92
552261	M1000TR-LG5	1900	Light Grey	8 lbs.	1/2 lb. spools	92
552283	M1000TR-NB-5	1900	Navy Blue	8 lbs.	1/2 lb. spools	92
552263	M1000TR-RD5	1900	Red	8 lbs.	1/2 lb. spools	92
552262	M1000TR-TN5	1900	Sandstone (Tan)	8 lbs.	1/2 lb. spools	92
552274	M1000TR-WH5	1900	White	8 lbs.	1/2 lb. spools	92

Gore® and Tenara® are registered trademarks of W. L. Gore and Associates.

## Thread – Gore® Tenara® (HTR Style)

Tenara HTR Heavy sewing thread is made of the same material as other Tenara threads, but features a unique 3-ply bonded construction that offers several advantages:

- An “improved circular cross-section” that provides a smoother and more uniform appearance.
- An increased twist level, which should reduce breaks.
- Excellent sewability.
- Softer construction.

In addition, because of the new construction the thread is smoother on the tube, which allows for up to 15% more seam length for the same tube price as the previous HTR-style thread. The strength of the thread remains the same. This item is a replacement for Gore Tenara TR Thread #M1000HTR.

FOR INDUSTRIAL USE ONLY. Not for use in food, drug, cosmetic, or medical device manufacturing, processing, or packaging operations.

Item #	Style #	Approx. Yards Per Tube	Color	Nominal Breaking Strength	Put Up	Size
553094	M1003-HTR-BK-5	1150	Black	14 lbs.	1/2 lb. spools	138
553099	M1003-HTR-GY-5	1150	Charcoal Grey	14 lbs.	1/2 lb. spools	138
553097	M1003-HTR-CB-5	1150	Chesapeake Bay Blue	14 lbs.	1/2 lb. spools	138
553092	M1003-HTR-L-5	1150	Clear	19 lbs.	1/2 lb. spools	138
553096	M1003-HTR-FG-5	1150	Forest Green	14 lbs.	1/2 lb. spools	138
553095	M1003-HTR-LG-5	1150	Light Grey	14 lbs.	1/2 lb. spools	138
553101	M1003-HTR-NB-5	1150	Navy Blue	14 lbs.	1/2 lb. spools	138
553089	M1003-HTR-RD-5	1150	Red	14 lbs.	1/2 lb. spools	138
553093	M1003-HTR-WH-5	1150	White	14 lbs.	1/2 lb. spools	138

Gore® and Tenara® are registered trademarks of W. L. Gore and Associates.



542080

## Bobbins – Aqua-Seal™

Aqua-Seal polyester thread and bobbins when used as a system provides a strong deterrent to seam leakage. Aqua-Seal thread is colorfast, UV resistant, and non-wicking. When Aqua-Seal thread is used with its pre-wound bobbin, it fills the needle holes as the fabric is stitched.

Item #	Style #	Color	Put Up	Size
542060	G	White	72/box	92+ / T110
542080	M	White	72/box	92+ / T110

Aqua-Seal™ is a trademark of Fil-Tec, Inc.



551652

## Bobbins – Coats Ultra Dee® Polyester

Item #	Style #	Approx. Yards Per Bobbin	Color	Put Up	Size
551652	G	25	Beaver	1 gr. box, 30/box	92
551263	G	17	Black	1 gr. box, 30/box	138
551202	M	24	Black	1 gr. box, 30/box	138
551201	U	49	Black	1 gr. box, 30/box	138
551813	F	29	Black	1 gr. box, 30/box	69
551660	G	25	Black	1 gr. box, 30/box	92
551763	M	36	Black	1 gr. box, 30/box	92
551254	G	17	Olive Drab	1 gr. box, 30/box	138
551264	G	17	White	1 gr. box, 30/box	138
551265	M	24	White	1 gr. box, 30/box	138
551200	U	49	White	1 gr. box, 30/box	138
542103	58	37	White	1 gr. box, 30/box	207
551814	F	29	White	1 gr. box, 30/box	69
551664	G	25	White	1 gr. box, 30/box	92
551764	M	36	White	1 gr. box, 30/box	92

Ultra Dee® is a registered trademark of J. & P. Coats, Limited.



551983

## Bobbins – Coats Polymatic® Belbobs® Bonded Monocord Dacron®

Shell-less bobbins.

Item #	Style #	Approx. Yards Per Bobbin	Color	Put Up	Size
551979	G	22	Beige	56/box	125
551963	G	22	Black	56/box	125
551967	M	31	Black	56/box	125
551983	U	42	Black	56/box	125
551986	G	27	Black	56/box	FF
552080	M	40	Black	56/box	FF
551972	G	22	Grey	56/box	125
551975	G	22	White	56/box	125
551980	M	31	White	56/box	125
551981	U	42	White	42/box	125
551985	G	27	White	56/box	FF
551999	M	40	White	56/box	FF

Belbobs® and Polymatic® are registered trademarks of J. & P. Coats, Limited. Dacron® is a registered trademark of INVISTA™.



542580

## Bobbins – Coats Dabond® Belbobs®

Coats Dabond is a bonded, twisted continuous filament polyester thread, combining superior sewing performance with excellent UV and abrasion protection. It is specifically designed to provide resistance against harsh weather making it an excellent thread for marine and other outdoor applications.

Item #	Style #	Approx. Yards Per Bobbin	Color	Put Up	Size
542580	S/M	24	Black	1 gr. box	138
542581	S/M	24	White	1 gr. box	138

Dabond® and Belbobs® are registered trademarks of J. & P. Coats, Limited.



543055



543078



543062



543094



543086

## Bobbins – PremoBond Bonded Polyester

In the performance fabrics industry, even the thread needs to outlast coarse conditions. With anti-wicking and mildew-resistant properties, PremoBond thread is perfect for high-moisture settings. Its exclusive UV dye and bonding process ensure maximum fade prevention and bleed resistance. A pioneer in the sewing thread market, its custom lubricant provides clean running for first-rate sewability. The continuous filament, bonded polyester makes it 30% stronger than leading brands.

PremoBond pre-wound bobbins are outfitted with twisted and plied yarn. Fil-Tec cross-tack technology offers a more uniform appearance for flatter seams, consistent tension to reduce puckering, and greater yield.

PremoBond bobbins deliver a clean, versatile seam to any project where colorfastness is key. The adaptable thread works great in awning and marine fabric applications slings, filtration, tarps, geotextiles, and other industrial purposes. Made in the USA.

Item #	Style #	Average Breaking Strength	Color	Put Up	Size
543055	BPT 138G	20 lbs.	Black	72/box	Tex 135/G
543057	BPT 138M	20 lbs.	Black	72/box	Tex 135/M
543102	BPT 138U	20 lbs.	Black	72 per box	Tex 135/U
543051	BPT 92G	13.3 lbs.	Black	72/box	Tex 90/G
543053	BPT 92M	13.3 lbs.	Black	72/box	Tex 90/M
543104	BPT 92U	13.3 lbs.	Black	72/box	Tex 90/U
543088	BPT 138G	20 lbs.	Brown	72/box	Tex 135/G
543098	BPT 138M	20 lbs.	Brown	72/box	Tex 135/M
543068	BPT 92G	13.3 lbs.	Brown	72/box	Tex 90/G
543078	BPT 92M	13.3 lbs.	Brown	72/box	Tex 90/M
543082	BPT 138G	20 lbs.	Burgundy	72/box	Tex 135/G
543092	BPT 138M	20 lbs.	Burgundy	72/box	Tex 135/M
543062	BPT 92G	13.3 lbs.	Burgundy	72/box	Tex 90/G
543072	BPT 92M	13.3 lbs.	Burgundy	72/box	Tex 90/M
543084	BPT 138G	20 lbs.	Forest Green	72/box	Tex 135/G
543094	BPT 138M	20 lbs.	Forest Green	72/box	Tex 135/M
543064	BPT 92G	13.3 lbs.	Forest Green	72/box	Tex 90/G
543074	BPT 92M	13.3 lbs.	Forest Green	72/box	Tex 90/M
543086	BPT 138G	20 lbs.	Marine Blue	72/box	Tex 135/G
543096	BPT 138M	20 lbs.	Marine Blue	72/box	Tex 135/M
543066	BPT 92G	13.3 lbs.	Marine Blue	72/box	Tex 90/G
543076	BPT 92M	13.3 lbs.	Marine Blue	72/box	Tex 90/M
543087	BPT 138G	20 lbs.	Navy	72/box	Tex 135/G
543097	BPT 138M	20 lbs.	Navy	72/box	Tex 135/M

Item #	Style #	Average Breaking Strength	Color	Put Up	Size
543067	BPT 92G	13.3 lbs.	Navy	72/box	Tex 90/G
543077	BPT 92M	13.3 lbs.	Navy	72/box	Tex 90/M
543085	BPT 138G	20 lbs.	Olive Drab	72/box	Tex 135/G
543095	BPT 138M	20 lbs.	Olive Drab	72/box	Tex 135/M
543065	BPT 92G	13.3 lbs.	Olive Drab	72/box	Tex 90/G
543075	BPT 92M	13.3 lbs.	Olive Drab	72/box	Tex 90/M
543083	BPT 138G	20 lbs.	Red	72/box	Tex 135/G
543093	BPT 138M	20 lbs.	Red	72/box	Tex 135/M
543063	BPT 92G	13.3 lbs.	Red	72/box	Tex 90/G
543073	BPT 92M	13.3 lbs.	Red	72/box	Tex 90/M
543080	BPT 138G	20 lbs.	Sand	72/box	Tex 135/G
543090	BPT 138M	20 lbs.	Sand	72/box	Tex 135/M
543060	BPT 92G	13.3 lbs.	Sand	72/box	Tex 90/G
543070	BPT 92M	13.3 lbs.	Sand	72/box	Tex 90/M
543081	BPT 138G	20 lbs.	Steel Grey	72/box	Tex 135/G
543091	BPT 138M	20 lbs.	Steel Grey	72/box	Tex 135/M
543061	BPT 92G	13.3 lbs.	Steel Grey	72/box	Tex 90/G
543071	BPT 92M	13.3 lbs.	Steel Grey	72/box	Tex 90/M
543054	BPT 138G	20 lbs.	White	72/box	Tex 135/G
543056	BPT 138M	20 lbs.	White	72/box	Tex 135/M
543101	BPT 138U	20 lbs.	White	72 per box	Tex 135/U
543050	BPT 92G	13.3 lbs.	White	72/box	Tex 90/G
543052	BPT 92M	13.3 lbs.	White	72/box	Tex 90/M
543103	BPT 92U	13.3 lbs.	White	72/box	Tex 90/U





551431

## Bobbins – Premofast™

Premofast bobbins are solution dyed and will not bleed. All bobbins are sideless for maximum yield.

Item #	Style #	Approx. Yards Per Bobbin	Color	Put Up	Size
551432	G	22	Black	1 gross box, 18/carton	92+
551381	M	37	Black	1 gross box, 18/carton	WS92+
551431	G	22	White	1 gross box, 18/carton	92+
551380	M	37	White	1 gross box, 18/carton	WS92+

Premofast™ is a trademark of Fil-Tec, Inc.



550101

## Bobbins – A&E Poly Nu Bond™ Polyester

Ready-wound bobbins provide more thread per bobbin. The finish applied to the thread assures controlled delivery of the thread from the bobbin and contributes to a balanced stitch formation.

Item #	Style #	Color	Put Up	Size
550302	G	Black	1 gross box, 30/carton	138
550353	M	Black	1 gross box, 30/carton	138
550101	G	Black	1 gross box, 30/carton	92
550252	M	Black	1 gross box, 30/carton	92
550300	G	White	1 gross box, 30/carton	138
550351	M	White	1 gross box, 30/carton	138
550100	G	White	1 gross box, 30/carton	92
550250	M	White	1 gross box, 30/carton	92

Poly Nu Bond™ is a trademark of American & Efird Enterprises, Inc.

## Bobbins – A&E SunStop®

Designed for the outdoor market, SunStop thread is made of 100% continuous filament polyester with enhanced UV and fade protection and a non-wicking finish. Use SunStop for outdoor applications requiring UV protection, such as tents, awnings, and canvas and marine applications.

Item #	Style #	Color	Put Up	Size
550501	M	Beige	1 gr.	T90
550548	G	Black	1 gr.	T135
550509	M	Black	1 gr.	T135
550532	G	Burgundy	1 gr.	T135
550512	M	Cadet Grey	1 gr.	T135
550513	M	Linen	1 gr.	T135
550510	M	Natural	1 gr.	T135
550502	M	Sol-Jet Black	1 gr.	T90
550547	G	White	1 gr.	T135
550500	M	White	1 gr.	T90

SunStop® is a registered trademark of American & Efird Enterprises, Inc.



565135

## Polyfab™ Shade Sail Edge Webbing

Polyfab Shade Sail Edge Webbing is used for shade structures and shade sails. Matches Polytex®, Comtex® and Architec 400® extra heavy duty knitted shade cloth.

Item #	Average Breaking Strength	Color	Color #	Put Up	Width
565135	4400 lbf.	Antec Orange	22	109 yd.	2 in.
565129	4400 lbf.	Beige	72	109 yd.	2 in.
565137	4400 lbf.	Berry	36	109 yd.	2 in.
565121	4400 lbf.	Black	99	109 yd.	2 in.
565103	4400 lbf.	Blue	50	109 yd.	2 in.
565109	4400 lbf.	Bronze	81	109 yd.	2 in.
565113	4400 lbf.	Charcoal	92	109 yd.	2 in.
565141	4400 lbf.	Fluro Green	67	109 yd.	2 in.
565142	4400 lbf.	Fluro Orange	27	109 yd.	2 in.
565118	4400 lbf.	Golden Yellow	11	109 yd.	2 in.
565101	4400 lbf.	Midnight Green	62	109 yd.	2 in.
565105	4400 lbf.	Navy Blue	51	109 yd.	2 in.
565115	4400 lbf.	Porcelain	71	109 yd.	2 in.
565139	4400 lbf.	Purple	58	109 yd.	2 in.
565127	4400 lbf.	Red	30	109 yd.	2 in.
565111	4400 lbf.	Sage	19	109 yd.	2 in.
565107	4400 lbf.	Sandstone	73	109 yd.	2 in.
565125	4400 lbf.	Silver Gray	91	109 yd.	2 in.
565119	4400 lbf.	Turquoise	10	109 yd.	2 in.
565133	4400 lbf.	White	01	109 yd.	2 in.

Polyfab™ is a trademark of Polyfab USA. Polytex®, Comtex® and Architec 400® are registered trademarks of Polyfab USA.



577503

## Sunbrella® Webbing

Sunbrella webbing made of 78% Sunbrella Acrylic and 22% high-tenacity polyester. A strong, weather-resistant webbing. Retains more tensile strength than other types of webbing after exposure to sunlight. Compatible with Sunbrella fabric colors. Sold in full rolls only.

Item #	Style #	Average Breaking Strength	Color	Put Up	Width
577502	70-1654	1000 lbs.	Black	25 yd.	1 in.
577503	70-1654	1000 lbs.	Grey	25 yd.	1 in.
577501	70-1654	1000 lbs.	White	25 yd.	1 in.

Sunbrella® is a registered trademark of Glen Raven, Inc.



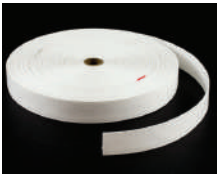
575013

## Webbing – Nylon

Strong, dependable nylon webbing. Ideal for use with synthetic fabrics. Sold in full rolls only.

Item #	Style #	Description	Average Breaking Strength	Color	Put Up	Width
575229	495		1200 lbs.	Black	100 yd.	1 in.
575246	17337		5500 lbs.	Black	100 yd.	2 in.
575113	NN075		4965 lbs.	Black	100 yd.	2 in.

Item #	Style #	Description	Average Breaking Strength	Color	Put Up	Width
575245	17337		5500 lbs.	Black	100 yd.	1 in.
575076	N0072		9000 lbs.	Black	50 yd.	1-3/4 in.
575249	N0025		6200 lbs.	Black	50 yd.	2 in.
575241	N0025		3700 lbs.	Black	50 yd.	1 in.
574967	N0015S		1200 lbs.	Black	50 yd.	3/4 in.
575073	N0095		4200 lbs.	Black	50 yd.	1 in.
575011	N0019		3300 lbs.	Black	50 yd.	3/4 in.
574957	N0030		2400 lbs.	Black	50 yd.	1 in.
574912	N0015		2564 lbs.	Black	50 yd.	2 in.
574908	N0015S		1323 lbs.	Black	50 yd.	1-1/2 in.
575260	N0023S		1200 lbs.	Black	50 yd.	1 in.
576110	N0006		6000 lbs.	Black	50 yd.	1 in.
575109	N0019		4200 lbs.	Black	50 yd.	1 in.
575030	N0019		5890 lbs.	Black	50 yd.	1-1/2 in.
574905	N0015CD		1720 lbs.	Black	50 yd.	1 in.
575243	N0025		3698 lbs.	Black	50 yd.	1-1/2 in.
575075	N0085		7600 lbs.	Black	50 yd.	2 in.
574999	N0090	Tubular	2400 lbs.	Black	50 yd.	3/4 in.
575111	N0028	Tubular	4000 lbs.	Black	50 yd.	1 in.
574936	N0019		3850 lbs.	Brown	50 yd.	1 in.
575018	N0019		4200 lbs.	Brown	50 yd.	1 in.
575244	495		5500 lbs.	Natural	50 yd.	1 in.
575014	N0019		4200 lbs.	Navy	50 yd.	1 in.
575013	N0019		4200 lbs.	Red	50 yd.	1 in.
575012	N0019		4200 lbs.	Silver	50 yd.	1 in.
575259	N0023		1580 lbs.	White	50 yd.	1 in.
575240	N0025		3400 lbs.	White	50 yd.	1 in.
575072	N0095		4200 lbs.	White	50 yd.	1 in.
575017	N0019		4200 lbs.	White	50 yd.	1 in.
575079	N0087		6000 lbs.	White	50 yd.	2 in.
574906	N0015CD		1720 lbs.	White	50 yd.	1 in.
575010	N0019		3300 lbs.	White	50 yd.	3/4 in.
575023	N0019		4200 lbs.	Yellow	50 yd.	1 in.



576633

## Webbing – Dacron®

Resistant to mildew, ultraviolet rays and shrinkage. Sold in full rolls only.

Item #	Style #	Average Breaking Strength	Color	Put Up	Width
576633	S0009	740 lbs.	White	50 yd.	1-1/2 in.
576634	S0009	740 lbs.	White	50 yd.	2 in.

Dacron® is a registered trademark of INVISTA.



575335

## Webbing – Polyester

Resistant to mildew, ultraviolet rays and shrinkage. Excellent for reinforcing swimming pool covers – both screen or solid vinyl types. Sold in full rolls only.

Item #	Style #	Description	Average Breaking Strength	Color	Put Up	Width
575299	R7624		6775 lbs.	Black	100 yd.	2 in.
575231	T-1200		6000 lbs.	Black	200 yd.	2 in.
575327	U0017		4400 lbs.	Black	50 yd.	1 in.
575332	U0017		4400 lbs.	Natural (White)	50 yd.	1 in.
575335	929P-2		6000 lbs.	Natural	100 yd.	2 in.
575302	2070/S0009	Spun	740 lbs.	White	50 yd.	1 in.



577907

## Webbing – Heat-Sealable PVC

A general-purpose webbing with many applications. Not recommended for outdoor use. Sold in full rolls only.

Item #	Style #	Average Breaking Strength	Color	Put Up	Width
577907	1281	2900 lbs.	White	110 yd.	1-7/8 in.



576031

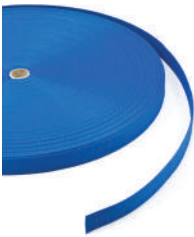
## Webbing – Polypropylene Style No. 7166/P0001

A general-purpose webbing with many applications. Not recommended for outdoor use. Sold in full rolls only.

Item #	Style #	Average Breaking Strength	Color	Put Up	Width
576036	549	600 lbs.	Black	100 yd.	1 in.
576501	7166/P0001	600 lbs.	Black	100 yd.	1 in.
576558	7166/P0001	600 lbs.	Black	100 yd.	1-1/2 in.
576460	7166/P0001	600 lbs.	Black	100 yd.	1/2 in.
576597	7166/P0001	600 lbs.	Black	100 yd.	2 in.
576639	7166/P0001	600 lbs.	Black	100 yd.	3 in.
576503	7166/P0001	600 lbs.	Black	100 yd.	3/4 in.
576021	PP037	600 lbs.	Black	100 yd.	1 in.
576553	7166/P0001	600 lbs.	Blue	100 yd.	1-1/2 in.
576598	7166/P0001	600 lbs.	Blue	100 yd.	2 in.
576543	7166/P0001	600 lbs.	Brown	100 yd.	1 in.
576531	7166/P0001	600 lbs.	Burgundy	100 yd.	1 in.
576470	7166/P0001	600 lbs.	Dark Beige	100 yd.	1 in.
576662	7166/P0001	600 lbs.	Dark Beige	100 yd.	2 in.
576490	7166/P0001	600 lbs.	Forest Green	100 yd.	1 in.
576663	7166/P0001	600 lbs.	Forest Green	100 yd.	2 in.
576529	7166/P0001	600 lbs.	Gray	100 yd.	1 in.
576540	7166/P0001	600 lbs.	Green	100 yd.	1 in.
576606	7166/P0001	600 lbs.	Green	100 yd.	2 in.
576537	7166/P0001	600 lbs.	Light Gold	100 yd.	1 in.



Item #	Style #	Average Breaking Strength	Color	Put Up	Width
576601	7166/P0001	600 lbs.	Light Navy	100 yd.	2 in.
576031	7166/P0001	600 lbs.	Navy	100 yd.	1 in.
576533	7166/P0001	600 lbs.	Orange	100 yd.	1 in.
576613	7166/P0001	600 lbs.	Orange	100 yd.	2 in.
576541	7166/P0001	600 lbs.	Red	100 yd.	1 in.
576551	7166/P0001	600 lbs.	Red	100 yd.	1-1/2 in.
576599	7166/P0001	600 lbs.	Red	100 yd.	2 in.
576538	7166/P0001	600 lbs.	Silver	100 yd.	1 in.
576604	7166/P0001	600 lbs.	Silver	100 yd.	2 in.
576474	7166/P0001	600 lbs.	Tan	100 yd.	1 in.
576492	7166/P0001	600 lbs.	Victoria Blue	100 yd.	1 in.
576500	7166/P0001	600 lbs.	White	100 yd.	1 in.
576557	7166/P0001	600 lbs.	White	100 yd.	1-1/2 in.
576596	7166/P0001	600 lbs.	White	100 yd.	2 in.
576638	7166/P0001	600 lbs.	White	100 yd.	3 in.
576450	7166/P0001	600 lbs.	White	100 yd.	3/4 in.
576020	PP037	600 lbs.	White	100 yd.	1 in.
576542	7166/P0001	600 lbs.	Yellow	100 yd.	1 in.
576605	7166/P0001	600 lbs.	Yellow	100 yd.	2 in.



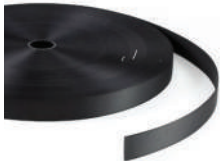
576564

## Webbing – Polypropylene Style No. 7390/P0002

A general-purpose webbing with many applications. Not recommended for outdoor use. Sold in full rolls only.

Item #	Style #	Average Breaking Strength	Color	Put Up	Width
576561	7390/P0002	800 lbs.	Black	100 yd.	1 in.
576582	7390/P0002	800 lbs.	Black	100 yd.	1-1/2 in.
576595	7390/P0002	800 lbs.	Black	100 yd.	2 in.
576617	7390/P0002	800 lbs.	Black	100 yd.	3 in.
576670	7390/P0002	800 lbs.	Black	100 yd.	3/4 in.
576564	7390/P0002	800 lbs.	Blue	100 yd.	1 in.
576688	7390/P0002	800 lbs.	Dark Beige	100 yd.	1-1/2 in.
576685	7390/P0002	800 lbs.	Forest Green	100 yd.	1-1/2 in.
576589	7390/P0002	800 lbs.	Grape	100 yd.	1 in.
576620	7390/P0002	800 lbs.	Gray	100 yd.	1 in.
576702	7390/P0002	800 lbs.	Gray	100 yd.	1-1/2 in.
576565	7390/P0002	800 lbs.	Green	100 yd.	1 in.
576570	7390/P0002	800 lbs.	Light Navy	100 yd.	1 in.
576566	7390/P0002	800 lbs.	Red	100 yd.	1 in.
576695	7390/P0002	800 lbs.	Red	100 yd.	1-1/2 in.
576621	7390/P0002	800 lbs.	Silver	100 yd.	1 in.
576583	7390/P0002	800 lbs.	Silver	100 yd.	1-1/2 in.
576623	7390/P0002	800 lbs.	Tan	100 yd.	1 in.
576560	7390/P0002	800 lbs.	White	100 yd.	1 in.
576586	7390/P0002	800 lbs.	White	100 yd.	1-1/2 in.
576594	7390/P0002	800 lbs.	White	100 yd.	2 in.

Item #	Style #	Average Breaking Strength	Color	Put Up	Width
576618	7390/P0002	800 lbs.	White	100 yd.	3 in.
576567	7390/P0002	800 lbs.	Yellow	100 yd.	1 in.



575232

## Webbing – Leader

An economical webbing for heavy-duty applications. Mixed colors and shade. Sold in full rolls only.

Item #	Color	Put Up	Width
575232	Multi-Color	220 yards	2 in.

## Webbing – Cotton – Indo-Carbon Black – Class 3

This untreated cotton webbing is manufactured in accordance with Government Specifications MIL-W-530 and MIL-T-43566. Sold in full rolls only.

Item #	Style #	Minimum Breaking Strength	Put Up	Width
573113	Type I	140 lbs.	100 yd.	5/8 in.

## Webbing – Cotton – Natural – Class 1

This untreated cotton webbing is manufactured in accordance with Government Specifications MIL-W-530 and MIL-T-43566. Sold in full rolls only.

Item #	Style #	Minimum Breaking Strength	Put Up	Width
572113	Type I	70 lbs.	100 yd.	1/2 in.
572115	Type I	85 lbs.	100 yd.	5/8 in.
572116	Type I	100 lbs.	100 yd.	3/4 in.
572120	Type I	130 lbs.	100 yd.	1 in.
572123	Type I	190 lbs.	100 yd.	1-1/2 in.
572130	Type I	250 lbs.	100 yd.	2 in.
572216	Type II A	230 lbs.	60 yd.	3/4 in.
572220	Type II A	300 lbs.	60 yd.	1 in.
572223	Type II A	440 lbs.	60 yd.	1-1/2 in.
572230	Type II A	580 lbs.	60 yd.	2 in.
572320	Type III	550 lbs.	60 yd.	1 in.
572323	Type III	860 lbs.	60 yd.	1-1/2 in.
572330	Type III	1100 lbs.	60 yd.	2 in.
572331	Type III N	1560 lbs.	50 yd.	3 in.

## Webbing – Vat-Dyed Olive Drab – Shade 7 Untreated – Class 3

This cotton webbing is manufactured in accordance with Government Specifications MIL-W-530 and MIL-T-43566. Sold in full rolls only.

Item #	Style #	Minimum Breaking Strength	Put Up	Width
573120	Type I	130 lbs.	100 yd.	1 in.



574601

## Strapping – Furniture

Heavy cotton strapping woven for long wear and durability. Five added stitches across the width assure maximum strength. Double blue line down center for identification. A soft finish strapping designed especially for use in appliance and furniture moving industry. Won’t mar polished surfaces. Sold in full rolls only.

Item #	Style #	Average Breaking Strength	Color	Put Up	Width
574601	W0068	975 lbs.	Natural	50 yd.	2 in.



572112

## Tape – Unbleached Cotton

An ideal low-cost tape for apron binding, tie tapes and finishing raw edges of other canvas specialties. Sold in full rolls only.

Item #	Style #	Description	Color	Put Up	Width
572058		Heavy	Natural	72 yd.	1/2 in.
572112	B0078		Natural	100 yd.	1 in.

## Braid – Nylon/Polyester Elastic

Sold in full rolls only.

Item #	Style #	Color	Material	Put Up	Width
506172	S-2500	White	Nylon	36 yd.	3/4 in.
506197	1050	Black	Polyester	144 yd.	1 in.
506205	970	Black	Polyester	36 yd.	2 in.



580903

## TEXACRO® – Hook And Loop Tape – Standard Back

The TEXACRO state-of-the-art engineering produces this heavy-duty hook and loop tape. The napped loop is designed for use with the “aggressive” TEXACRO hook for excellent latching performance, peeling, and strength. Available in full rolls only.

Suggested uses: indoor functions, marine fastening, cushion placement, apparel, recreational gear, tying, wrapping and bundling, straps, other industrial uses.

Item #	Style #	Description	Backing	Color	Put Up	Width
580902	H4025330Y2TX5P	Hook #91	Standard	Black	50 yd.	1 in.
580903	H4050330Y2TX5P	Hook #91	Standard	Black	50 yd.	2 in.
580904	H4107330Y2TX5P	Hook #91	Standard	Black	50 yd.	4 in.
580905	L1025330Y2TX5P	Loop #93	Standard	Black	50 yd.	1 in.
580906	H4025010Y2TX5P	Hook #91	Standard	White	50 yd.	1 in.
580907	L1025010Y2TX5P	Loop #93	Standard	White	50 yd.	1 in.
580990	H4016330Y2TX5P	Hook #91	Standard	Black	50 yd.	5/8 in.
580991	L1016330Y2TX5P	Loop #93	Standard	Black	50 yd.	5/8 in.
580992	H4016010Y2TX5P	Hook #91	Standard	White	25 yd.	5/8 in.
580993	L1016010Y2TX5P	Loop #93	Standard	White	50 yd.	5/8 in.
580998	H4038330Y2TX5P	Hook #91	Standard	Black	50 yd.	1-1/2 in.
580999	L1038330Y2TX5P	Loop #93	Standard	Black	50 yd.	1-1/2 in.

Item #	Style #	Description	Backing	Color	Put Up	Width
581000	H4038010Y2TX5P	Hook #91	Standard	White	50 yd.	1-1/2 in.
581001	L1038010Y2TX5P	Loop #93	Standard	White	50 yd.	1-1/2 in.
581002	L1050330Y2TX5P	Loop #93	Standard	Black	50 yd.	2 in.
581003	H4050010Y2TX5P	Hook #91	Standard	White	50 yd.	2 in.
581004	L1050010Y2TX5P	Loop #93	Standard	White	50 yd.	2 in.
581007	L1107330Y2TX5P	Loop #93	Standard	Black	50 yd.	4 in.

TEXACRO® is a registered trademark of Velcro Industries B.V.

## TEXACRO® – Hook And Loop Tape – Adhesive Back

TEXACRO hook and loop tape is a cutting-edge, heavy-duty fastener system. The napped loop is designed to be used with the industrial TEXACRO hook for great latching performance, peeling, and strength. The adhesive back allows for easy mounting. Available in full rolls only.

Suggested uses: indoor functions, marine fastening, cushion placement, apparel, mounting and adhering to walls and other surfaces, other industrial uses.

Item #	Style #	Description	Backing	Color	Put Up	Width
580873	H4016330Y1TX1	Hook #91	Adhesive	Black	25 yd.	5/8 in.
580874	L1016330Y1TX1	Loop #93	Adhesive	Black	25 yd.	5/8 in.
580879	L1025010Y1TX1	Loop #93	Adhesive	White	25 yd.	1 in.
580880	H4025010Y1TX1	Hook #91	Adhesive	White	25 yd.	1 in.
580881	H4025330Y1TX1	Hook #91	Adhesive	Black	25 yd.	1 in.
580882	L1025330Y1TX1	Loop #93	Adhesive	Black	25 yd.	1 in.
580885	H4038330Y1TX1	Hook #91	Adhesive	Black	25 yd.	1-1/2 in.
580886	L1038330Y1TX1	Loop #93	Adhesive	Black	25 yd.	1-1/2 in.
580887	L1050330Y1TX1	Loop #93	Adhesive	Black	25 yd.	2 in.
580888	H4050330Y1TX1	Hook #91	Adhesive	Black	25 yd.	2 in.
580889	L1050010Y1TX1	Loop #93	Adhesive	White	25 yd.	2 in.
580890	H4050010Y1TX1	Hook #91	Adhesive	White	25 yd.	2 in.

TEXACRO® is a registered trademark of Velcro Industries B.V.

## VELCRO® Brand Hook And Loop Fasteners – Standard Back Nylon Tape

This nylon tape fastener consists of two mating strips. The Hook (male) section is covered with stiff, small hooks. The Loop (female) section is covered with tiny, soft loops. When pressed together, the hooks and loops engage, creating an adjustable, versatile, and secure closure. Sold in full rolls only.

Suggested uses: indoor functions, marine fastening, cushion placement, clothing, recreational gear, tying, wrapping and bundling, straps, other industrial uses.

Item #	Style #	Description	Color	Put Up	Width
580153	194202	Loop #1000	Beige	50 yd.	1 in.
580154	194154	Hook #88	Beige	50 yd.	1 in.
580200	191300	Hook #88	Black	50 yd.	5/8 in.
580201	194134	Hook #88	White	50 yd.	5/8 in.
580210	194144	Hook #88	Black	50 yd.	3/4 in.
580215	194145	Hook #88	Beige	50 yd.	3/4 in.
580216	194191	Loop #1000	Beige	50 yd.	3/4 in.
580220	193085	Hook #88	White	50 yd.	3/4 in.
580250	194153	Hook #88	Black	50 yd.	1 in.
580251	193087	Hook #88	White	50 yd.	1 in.



Item #	Style #	Description	Color	Put Up	Width
580256	193089	Hook #88	White	50 yd.	1-1/2 in.
580257	194164	Hook #88	Black	50 yd.	1-1/2 in.
580273	194178	Hook #88	Olive Green	50 yd.	2 in.
580275	194175	Hook #88	Black	50 yd.	2 in.
580276	193091	Hook #88	White	50 yd.	2 in.
580277	194579	Hook #88	Light Gray	50 yd.	2 in.
580279	194099	Hook #88	Beige	50 yd.	2 in.
580287	190806	Hook #88	White	25 yd.	4 in.
580288	190810	Hook #88	Black	25 yd.	4 in.
580300	194179	Loop #1000	Black	50 yd.	5/8 in.
580301	194096	Loop #1000	White	50 yd.	5/8 in.
580310	194190	Loop #1000	Black	50 yd.	3/4 in.
580315	197078	Hook #88	Battleship Grey	25 yd.	2 in.
580316	197077	Loop #1000	Battleship Grey	25 yd.	2 in.
580320	191301	Loop #1000	White	50 yd.	3/4 in.
580329	195966	Hook #88	Black	25 yd.	3 in.
580346	193088	Loop #1000	White	50 yd.	1-1/2 in.
580350	194098	Loop #1000	Black	50 yd.	1 in.
580351	193086	Loop #1000	White	50 yd.	1 in.
580356	194212	Loop #1000	Black	50 yd.	1-1/2 in.
580375	194223	Loop #1000	Black	50 yd.	2 in.
580376	193090	Loop #1000	White	50 yd.	2 in.
580377	194580	Loop #1000	Light Gray	50 yd.	2 in.
580379	194100	Loop #1000	Beige	50 yd.	2 in.
580387	190795	Loop #1000	White	25 yd.	4 in.
580388	190799	Loop #1000	Black	25 yd.	4 in.
580461	195967	Loop #1000	Black	25 yd.	3 in.
580462	199497	Loop #1000	White	50 yd.	3 in.

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## VELCRO® Brand Hook And Loop Fasteners – Standard Back Polyester Tape

This polyester tape fastener consists of two mating strips. The Hook (male) section features small, stiff hooks. The Loop (female) section features small, soft loops. When brought together, the hooks and loops engage, making a versatile, adjustable, and secure closure. Sold in full rolls only.

Suggested uses: indoor/outdoor functions, marine fastening, cushion placement, clothing, recreational gear, tying, wrapping and bundling, straps, other industrial uses.

Item #	Style #	Description	Color	Put Up	Width
580113	192102	Hook #81	Black	25 yd.	1-1/2 in.
580114	192101	Loop #9000	Black	25 yd.	1-1/2 in.
580255	190579	Hook #81	White	25 yd.	1 in.
580265	190789	Hook #81	Black	25 yd.	2 in.
580278	190787	Hook #81	White	25 yd.	2 in.
580349	192076	Loop #009	White	25 yd.	5/8 in.
580355	190465	Loop #009	White	25 yd.	1 in.
580378	190711	Loop #009	White	25 yd.	2 in.
580700	190582	Hook #81	Black	25 yd.	1 in.
580701	190468	Loop #009	Black	25 yd.	1 in.

Item #	Style #	Description	Color	Put Up	Width
580702	190713	Loop #009	Black	25 yd.	2 in.
580705	172645	Hook #81	White	25 yd.	1-1/2 in.
580706	173646	Loop #009	White	25 yd.	1-1/2 in.

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## VELCRO® Brand Hook And Loop Fasteners – Adhesive Back Nylon Tape

This nylon tape fastener features two mating strips and an adhesive backing. The Hook (male) section has stiff hooks while the Loop (female) section has soft loops. When pressed together, the hooks and loops create an easy, adjustable, and secure closure. The adhesive backing supplies a strong hold to various surfaces. Sold in full rolls only.

Suggested uses: indoor functions, marine fastening, cushion placement, clothing, mounting and adhering to walls and other surfaces, other industrial uses.

Item #	Style #	Description	Color	Put Up	Width
580192	196802	Hook #88	Black	25 yd.	1/2 in.
580193	196256	Loop #1000	Black	25 yd.	1/2 in.
580198	190836	Loop #1000	Black	25 yd.	5/8 in.
580209	190940	Hook #88	Black	25 yd.	3/4 in.
580258	191157	Hook #88	White	25 yd.	1-1/2 in.
580259	191166	Hook #88	Black	25 yd.	1-1/2 in.
580260	191051	Hook #88	Black	25 yd.	1 in.
580261	191033	Hook #88	White	25 yd.	1 in.
580282	191231	Hook #88	White	25 yd.	2 in.
580285	191245	Hook #88	Black	25 yd.	2 in.
580309	190911	Loop #1000	Black	25 yd.	3/4 in.
580311	190935	Hook #88	White	25 yd.	3/4 in.
580312	190899	Loop #1000	White	25 yd.	3/4 in.
580358	191129	Loop #1000	White	25 yd.	1-1/2 in.
580359	191140	Loop #1000	Black	25 yd.	1-1/2 in.
580360	190984	Loop #1000	Black	25 yd.	1 in.
580361	190959	Loop #1000	White	25 yd.	1 in.
580382	191181	Loop #1000	White	25 yd.	2 in.
580385	191195	Loop #1000	Black	25 yd.	2 in.

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## VELCRO® Brand Hook And Loop Fasteners – Adhesive Back Polyester Tape

This polyester tape fastener consists of two mating strips and an adhesive backing. The Hook (male) strip features stiff hooks while the Loop (female) strip features soft loops. When brought together, the hooks and loops make a quick, easy, and secure closure. The adhesive backing provides a strong hold to numerous surfaces. Sold in full rolls only.

Suggested uses: indoor/outdoor functions, marine fastening, cushion placement, clothing, mounting and adhering to walls and other surfaces, other industrial uses.

Item #	Style #	Description	Color	Put Up	Width
580238	155334	Hook #81	Black	25 yd.	1 in.
580380	192206/155412	Loop #009	White	25 yd.	2 in.
580524	191001/155238	Loop #009	White	25 yd.	1 in.
580525	155553	Hook #81	White	25 yd.	1 in.
580526	155237	Loop #009	Black	25 yd.	1 in.

Item #	Style #	Description	Color	Put Up	Width
580527	191254/155474	Hook #81	Black	25 yd.	2 in.
580528	196455/155476	Loop #009	Black	25 yd.	2 in.
580529	191252/155475	Hook #81	White	25 yd.	2 in.

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## VELCRO® Brand ONE-WRAP® Fasteners

ONE-WRAP is a self-gripping fastener with hooks on one side and loops on the other. The two sides attach easily for solid strength and performance. ONE-WRAP offers an ultra-thin solution for many fastening needs. It does not require buckles, snaps, rings, or other fastening devices. Available in full rolls only.

Suggested uses: bundling, wrapping.

Item #	Style #	Color	Put Up	Width
580403	189590	Black	25 yd.	1 in.
580407	189661	Black	25 yd.	2 in.
580408	189645	Black	25 yd.	3/4 in.
580414	189699	White	25 yd.	2 in.
580437	179917	White	25 yd.	4 in.
580442	189662	Black	25 yd.	1-1/2 in.

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580247

## VELCRO® Brand VELSTICK® Semi-Rigid Fasteners

VELSTICK is a semi-rigid, high-impact extrusion with VELCRO Brand hook and loop fastener tape permanently attached. VELSTICK semi-rigid fasteners were designed and developed to attach to rigid surfaces. This nylon hook and loop tape creates an adjustable, versatile, and secure closure.

Install with staples, tacks, rivets, or screws to provide a permanent fixture. VELSTICK strips can be cut with scissors, drilled, or punched. Sold in pieces of 4 feet only.

Suggested uses: tents, camping trailers and marine applications.

Item #	Style #	Description	Color	Material	Put Up	Width
580112	192657	Hook	Black	Polyester	4 ft.	1 in.
580247	192596	Hook #88	Black	Nylon	4 ft.	1-3/4 in.
580254	192593	Hook #81	White	Polyester	4 ft.	1 in.
580354	192590	Loop #9000 Unnapped	White	Polyester	4 ft.	1 in.
580450	192655	Hook #88	Black	Nylon	4 ft.	1 in.
580452	192653	Loop #1000 Napped	Black	Nylon	4 ft.	1 in.

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500431

## Super Seamstick/Hi-Tack Adhesive Tape

Super Seamstick/HiTack is a double-faced, acrylic-based adhesive tape that is ideal for applications where resistance to UV light and excellent performance during temperature extremes are required. Used for bonding and laminating to a wide variety of cloths, vinyls, and rigid and flexible plastics. It's also excellent for seaming Sunbrella® before stitching, and can also be used on stainless steel tubing for patterning with Canvex® pattern cloth. Leaves little or no residue on surfaces when removed.

Item #	Style #	Put Up	Width
500422	1 HI-TACK	60 yd.	1 in.
500423	1 1/2 HI-TACK	60 yd.	1-1/2 in.
500432	2263	60 yd.	1/2 in.
500430	2263	60 yd.	1/4 in.
500428	2 HI-TACK	60 yd.	2 in.
500431	2263	60 yd.	3/8 in.

Sunbrella® is a registered trademark of Glen Raven, Inc. Canvex® is a registered trademark of Raven Industries.

## Tape – Vinyl Welding

Item #	Color	Put Up	Size	Width
500482	Clear	36 yd.	0.016 ga.	3/4 in.



500490

## Tape – Vinyl Adhesive Welding

Many products not heat sealable to themselves can now be heat sealed using this tape.

Item #	Style #	Description	Put Up	Width
500490	4220	0.005 Adhesive	200 yd.	5/8 in.

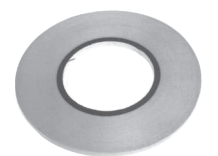


500433

## Tape – Curtain Strapping

This strapping is used for seam reinforcement or for retention straps for holding rolled up curtains in place. Sold in full rolls only.

Item #	Description	Color	Put Up	Width
500433	0.040 gauge	Clear	15 yd.	1-1/2 in.



500467

## Tape – Double-Faced

A double-faced adhesive tape used in tacking down layers of fabric prior to sewing a seam.

### Rubber Double Faced Tape

High tack tape used when a higher initial tack is required  
Can turn slightly yellow  
Can be used with acrylic fabrics

### Acrylic Double-Faced Tape

Good initial tack  
Non-yellowing  
High long term adhesion  
Very good for all purposes including general sail seaming

Item #	Style #	Material	Put Up	Width
500467	J-351	Rubber	72 yd.	1/4 in.



Item #	Style #	Material	Put Up	Width
500469	J-353	Rubber	72 yd.	1/2 in.
500470	J-451	Acrylic	72 yd.	1/4 in.
500471	J-452	Acrylic	72 yd.	3/8 in.
500472	J-453	Acrylic	72 yd.	1/2 in.
500473	J-455	Acrylic	72 yd.	3/4 in.
500476	J-456	Acrylic	72 yd.	1 in.



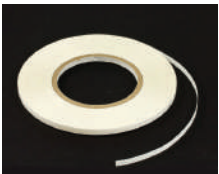
500403

## Tape – Double-Faced Adhesive

Typical applications for this double-faced acrylic foam pressure sensitive tape include body side moldings, rocker trims, and other automotive trim components. The tape is a companion to Costa Track® and is placed in the recess on the bottom of the track for temporary tacking prior to being permanently mounted.

Item #	Style #	Color	Put Up	Width
500403	5931N	White	36 yd., 12/box	1/2 in.

Costa Track® is a registered trademark of Costa Marine Canvas and Enclosures, LLC



500435

## Tape – Double-Faced Transfer

This clear acrylic tape is used to hold the cut edge of two fabrics together prior to sewing a seam. Eliminates slippage so the seam can be sewn straight.

Item #	Put Up	Width
500435	72 yd.	1/4 in.
500436	72 yd.	1/2 in.
500437	72 yd.	3/4 in.



500466

## Tape – No. 463 Seam

To minimize seam leakage on sewn seams of awning fabrics. The 3/4 inch wide tape is for double needle machines. The No. 463 Seam Tape is ideal for use on vinyl laminates such as Weblon®.

The adhesive transfer tape is on a paper backing. The tape should be applied on the edge of the one piece of material to be sewn. The paper backing is then peeled off, leaving the transfer tape on the material. The other piece of material to be sewn is applied on top of the adhesive transfer tape and pressed together. Then the two pieces are ready to be sewn. As the material is being sewn, the up and down movement of the needle pulls the adhesive transfer tape into the needle holes to seal them and thus minimize seam leakage.

Item #	Style #	Put Up	Width
500465	463	60 yd., 60/box	5/8 in.
500466	463	60 yd., 48/box	3/4 in.

Weblon® is a registered trademark of Herculite Products Inc.



500427

## Tape – Reinforcing

This non-adhesive reinforcing tape is ideal for supporting tops, dodgers, enclosures, and boat covers, but is also applicable for awnings and canopies. Made from clear laminate and polyester scrim, the filament tape is stable and weather-resistant. The reinforced strapping tape is widely used by fabricators and those in the marine industry. Its extra strength, marine-grade features make it one of the more versatile reinforcing tapes on the market. It provides high clarity, a low profile, and excellent tensile strength. Sold in full rolls only.

Item #	Color	Put Up	Width
500427	Clear	65 yd.	2 in.



500582

## Tape – Thermo Bonding

Thermo Bonding Tape has a slightly lower melting point than the standard bonding tape. This will allow the user to seal more difficult fabrics.

Item #	Description	Color	Put Up	Width
500441	FR	White	100 yd.	3/8 in.
500581	FR	White	100 yd., 12/box	7/8 in.
500582	FR	Black	100 yd., 12/box	7/8 in.



500440

## SS71 Bonding Tape®

SS71 Bonding Tape uses proven bonding technologies for the clean assembly of marine, shade and awning products. The polyurethane based welding tape is a diversely designed product for use with Sunbrella®, Sunbrella® Plus and Firesist®. The SS71 Bonding Tape creates clean, waterproof seams and eliminates the need for thread matching.

Item #	Color	Put Up	Standard Package	Width
500440	White	100 yard roll, 12 rolls per box	1	7/8 in.

SS71 Bonding Tape®, Sunbrella® and Firesist® are registered trademarks of Glen Raven, Inc.



507150

## Cord – Corsair Diamond Braid Polyester

The Corsair Polyester Cord features a durable cord with good strength, excellent UV and abrasion resistance, and low elongation.

Item #	Approx. Tensile Strength	Cord Size	Put Up	Size #
507150	360 lbs.	7/64 in.	1000 ft.	3-1/2



507121

## Cord – Cotton Lacing

A braided cotton lacing cord with a high-strength, low-stretch core of filament polyester for superior strength. Can be used for awning line, lacing, drawstrings and hem lines.

Item #	Approx. Tensile Strength	Color	Cord Size	Put Up	Size #
507120	300 lbs.	White	7/64 in.	1500 ft.	3-1/2
507121	350 lbs.	White	1/8 in.	1500 ft.	4



515118

## Cord – Crown Cotton

A heavy-duty, diamond-braided, cotton-blend cord with a strong synthetic fiber core.

Item #	Color	Cord Size	Put Up	Size #
515118	White	5/32 in.	1000 ft.	5
515119	White	3/16 in.	1000 ft.	6
515120	White	1/4 in.	1000 ft.	8



518029

## Cord – Diamond Braided Nylon

This diamond braided nylon has high strength, excellent resistance to abrasion and good elasticity under dynamic load. It also works well in wet applications.

Item #	Approx. Tensile Strength	Color	Cord Size	Put Up	Size #
518029	450 lbs.	Black	1/8 in.	1000 ft.	4



506592

## Cord – Premium Sash

Cotton cover, synthetic core. General, all purpose cotton sash cord used for home, recreation and industrial jobs.

Item #	Approx. Tensile Strength	Cord Size	Put Up	Size #
506592	800 lbs.	1/4 in.	1000 ft.	8



519802

## Line – Cotton Awning

Manufactured from high strength cotton yarns braided over a low stretch polyester core. A durable lustrous polish combined with popular colors makes this an extremely versatile and popular choice.

Item #	Color	Cord Size	Put Up	Size #
519802	Black	9/64 in.	100 yd.	4.5



507126

## Line – Ultra Awning

Made with a polyester core for greater strength. This braided line is glazed Grade "A" cotton for longer wearing life.

Item #	Approx. Weight Per Tube	Color	Cord Size	Put Up	Size #
507122	10 lbs.	White	9/64 in.	1500 ft.	4.5
507123	12 lbs.	White	5/32 in.	1500 ft.	5
507124	14 lbs.	White	3/16 in.	1500 ft.	6
507125	17 lbs.	White	7/32 in.	1500 ft.	7
507126	26 lbs.	White	1/4 in.	1500 ft.	8



507130

## Line – Ultra Mason

A braided cord made of high quality cotton to assure uniform size and quality. Excellent small diameter cord for lacing windbreaks, stationaries and store awnings. Also used for drawstrings.

Item #	Color	Cord Size	Put Up	Size #
507130	White	7/64 in.	3000 ft.	3.5



518606

## Rope – Diamond Braided Polyester

Polyester cord with high strength and excellent abrasion resistance. This cord has very good UV resistance. Resists acids, alkalis and moisture.

Item #	Cord Size	Put Up	Size #
518606	1/8 in.	1000 ft.	4

## Rope – Supreme MFP Braided

Multifilament solid braided polypropylene with abrasion-resistant smooth finish. Good strength with low stretch and excellent dielectric qualities. Resistant to rot, mildew, oil and most chemicals. This rope also floats.

Item #	Approx. Tensile Strength	Color	Cord Size	Put Up	Size #
515517	305 lbs.	White	3/16 in.	1000 ft.	6



515449

## Cord – Diamond Braided MFP

Suggested uses include drawstrings, lacing cords, general utility.

Item #	Approx. Tensile Strength	Color	Cord Size	Put Up	Size #
515449	250 lbs.	Black	1/8 in.	1000 ft.	4
515450	250 lbs.	Black	1/8 in.	3000 ft.	4

## Cord – Diamond Braided Nylon Utility

Suggested uses include drawstrings, lacing cords, general utility.

Item #	Approx. Tensile Strength	Color	Cord Size	Put Up	Size #
515084	490 lbs.	White	1/8 in.	3000 ft.	4



507145

## Cord – Drawtite Cotton

Braided fine cotton with glazed cover and low stretch synthetic cord.

Suggested uses: cotton awning lacing and window furnishings.

Item #	Cord Size	Put Up	Size #
507145	7/64 in.	500 yd.	3-1/2
507146	1/8 in.	1000 yd.	4





519131

## Cord – Hollow Braided Polypropylene

A low-cost, diamond-braided cord. This cord is hollow – there is no filler core. Suggested for use as barrier rope, tie-down, general marine and hardware uses.

Item #	Color	Cord Size	Put Up	Size #
519148	Black	1/4 in.	1000 ft.	8
519136	White	5/16 in.	1000 ft.	10
519134	White	3/16 in.	1000 ft.	6
519135	White	1/4 in.	1000 ft.	8
519132	Yellow	5/16 in.	1000 ft.	10
519131	Yellow	1/4 in.	1000 ft.	8



515452

## Cord – MFP Solid Braided Polypropylene

Made of white multifilament polypropylene. Resists acids, alkalis and mildew. Floats in and does not absorb water. Ends can be fused to prevent fraying. Versatile for many marine applications.

Item #	Approx. Tensile Strength	Cord Size	Put Up	Size #
515452	505 lbs.	3/16 in.	1000 ft.	6
515454	750 lbs.	1/4 in.	1000 ft.	8
515456	1250 lbs.	5/16 in.	1000 ft.	10



519945

## Cord – Neobraid® Polyester

100% high-strength polyester cord excels in awning applications and is a superb all-purpose/industrial cord. Patented InterWarp® construction withstands years of weather and sun, and does not kink, twist, or fray. Resistant to mold, oil and stains.

Neobraid Warning: Not For Personal Safety. Working loads are for rope in good condition with appropriate splices, in non-critical applications and under normal service conditions. Do not exceed working loads without expert knowledge of conditions and professional estimates of risk. Working loads should be reduced where life, limb and valuable property are involved or with shock loads, sustained loads. Never stand in line with rope under tension or directly underneath rope under tension.

Item #	Approx. Tensile Strength	Color	Cord Size	Put Up	Size #
519929	350 lbs.	Black	1/16 in.	2000 ft.	2
519941	300 lbs.	Black	7/64 in.	1000 ft.	3-1/2
519945	350 lbs.	Black	1/8 in.	1000 ft.	4
519952	410 lbs.	Black	9/64 in.	3000 ft.	4-1/2
519950	469 lbs.	Black	5/32 in.	1000 ft.	5
519948	700 lbs.	Black	3/16 in.	1000 ft.	6
519947	1000 lbs.	Black	1/4 in.	1000 ft.	8
519971	350 lbs.	Burgundy	1/8 in.	1000 ft.	4
519972	350 lbs.	Forest Green	1/8 in.	1000 ft.	4
519939	1600 lbs.	White	5/16 in.	500 ft.	10
519944	350 lbs.	White	1/8 in.	1000 ft.	4
519930	350 lbs.	White	1/8 in.	500 ft.	4
519946	406 lbs.	White	9/64 in.	1000 ft.	4-1/2
519951	410 lbs.	White	9/64 in.	3000 ft.	4-1/2

Item #	Approx. Tensile Strength	Color	Cord Size	Put Up	Size #
519949	700 lbs.	White	3/16 in.	1000 ft.	6
519953	700 lbs.	White	3/16 in.	3000 ft.	6
519936	700 lbs.	White	3/16 in.	500 ft.	6
519937	1000 lbs.	White	1/4 in.	1000 ft.	8
519938	1000 lbs.	White	1/4 in.	500 ft.	8

Neobraid® and InterWarp® are registered trademarks of New England Overseas Corporation.



519926

## Cord – Neoline® Polyester

100% polyester jacket and polyester/polypropylene core offers superior strength and abrasion resistance. Ideal for awnings and everyday use. Patented InterWarp® construction knots well, is weather resistant, and is twist and fray free.

Neoline Warning: Not For Personal Safety. Working loads are for rope in good condition with appropriate splices, in non-critical applications and under normal service conditions. Do not exceed working loads without expert knowledge of conditions and professional estimates of risk. Working loads should be reduced where life, limb and valuable property are involved or with shock loads, sustained loads. Never stand in line with rope under tension or directly underneath rope under tension.

Item #	Approx. Tensile Strength	Color	Cord Size	Put Up	Size #
519911	220 lbs.	Black	1/8 in.	1000 ft.	4
519960	460 lbs.	Black	3/16 in.	1000 ft.	6
519907	460 lbs.	Light Beige	3/16 in.	1000 ft.	6
519922	185 lbs.	White	7/64 in.	3000 ft.	3-1/2
519912	220 lbs.	White	1/8 in.	1000 ft.	4
519923	220 lbs.	White	1/8 in.	3000 ft.	4
519904	220 lbs.	White	1/8 in.	500 ft.	4
519913	307 lbs.	White	9/64 in.	1000 ft.	4-1/2
519924	307 lbs.	White	9/64 in.	3000 ft.	4-1/2
519915	370 lbs.	White	5/32 in.	1000 ft.	5
519916	460 lbs.	White	3/16 in.	1000 ft.	6
519926	460 lbs.	White	3/16 in.	3000 ft.	6
519906	460 lbs.	White	3/16 in.	500 ft.	6
519917	750 lbs.	White	7/32 in.	1000 ft.	7
519918	750 lbs.	White	1/4 in.	1000 ft.	8
519908	750 lbs.	White	1/4 in.	500 ft.	8

ngland Overseas Corporation.



515339

## Cord – Solid Braided Polyester

Braided of clean, high tensile strength polyester. Resists acids, alkalies and moisture. Ends can be fused to prevent fraying. Ideal for drawstrings and in hems of synthetic tarpaulins. Popular for boating and awning line.

Item #	Approx. Tensile Strength	Color	Cord Size	Put Up	Size #
515339	310 lbs.	White	1/8 in.	500 ft.	4
515352	425 lbs.	White	5/32 in.	1000 ft.	5
515353	620 lbs.	White	3/16 in.	1000 ft.	6
518602	750 lbs.	White	3/16 in.	1000 ft.	6



515432

## Cord – Solid Braided Nylon

This is one of the finest quality and best performing nylon solid braided cords. Designed for marine and industrial use, the product is constructed from high tenacity 12 strand interlocking nylon fibers, and has excellent shock load absorption qualities.

Item #	Approx. Tensile Strength	Color	Cord Size	Put Up	Size #
515432	450 lbs.	White	1/8 in.	1000 ft.	4
515433	750 lbs.	White	3/16 in.	1000 ft.	6
515434	1200 lbs.	White	1/4 in.	1000 ft.	8



515250

## Cord – Saxon Nylon

Industrial-grade multifilament nylon. A strong, premium product that works well with pulleys.

Item #	Color	Cord Size	Put Up	Size #
515250	Natural	1/8 in.	1000 ft.	4
515251	Natural	3/16 in.	1000 ft.	6
515252	Natural	1/4 in.	1000 ft.	8



519224

## Rope – Zenith

Polyester cord with high strength and excellent abrasion resistance. This cord also has a very good UV resistance and resists acids, alkalis and moisture.

Item #	Description	Approx. Tensile Strength	Color	Cord Size	Put Up	Size
519223	Bonded	400 lbs.	White	1/8 in.	1500 ft.	4
519224	Bonded	400 lbs.	Black	1/8 in.	1500 ft.	4



515221

## Cord – Twisted S.F.T. Polypropylene

Made from fibrillated (shattered film type) or interconnected filaments. Recommended workload is 17% of breaking strength. Floats in, but does not absorb water. Very good resistance to most acids and alkalis.

Item #	Approx. Tensile Strength	Color	Cord Size	Put Up	Size #
515221	1130 lbs.	White	1/4 in.	1200 ft.	8



516254

## Rope – 3-Strand Polypropylene

Filament polypropylene rope with excellent strength to weight ratio. Will float because specific gravity is less than 1.0. Hand and lay is medium/soft, which makes this product easy to splice.

Item #	Approx. Tensile Strength	Color	Cord Size	Put Up	Size #
516259	2430 lbs.	Black	3/8 in.	1200 ft.	12
516254	3780 lbs.	White	1/2 in.	1200 ft.	16
516252	3780 lbs.	White	1/2 in.	600 ft.	16
516242	1130 lbs.	White	1/4 in.	1200 ft.	8
516240	1130 lbs.	White	1/4 in.	600 ft.	8

Item #	Approx. Tensile Strength	Color	Cord Size	Put Up	Size #
516238	720 lbs.	White	3/16 in.	1200 ft.	6
516236	720 lbs.	White	3/16 in.	600 ft.	6
516250	2430 lbs.	White	3/8 in.	1200 ft.	12
516248	2430 lbs.	White	3/8 in.	600 ft.	12
516246	1710 lbs.	White	5/16 in.	1200 ft.	10
516256	5580 lbs.	White	5/8 in.	600 ft.	20
516274	1130 lbs.	Yellow / Black	1/4 in.	600 ft.	8
516220	3780 lbs.	Yellow	1/2 in.	600 ft.	16
516206	1130 lbs.	Yellow	1/4 in.	1200 ft.	8
516202	720 lbs.	Yellow	3/16 in.	1200 ft.	6
516226	7650 lbs.	Yellow	3/4 in.	600 ft.	24
516214	2430 lbs.	Yellow	3/8 in.	1200 ft.	12
516210	1710 lbs.	Yellow	5/16 in.	1200 ft.	10
516224	5580 lbs.	Yellow	5/8 in.	600 ft.	20



515218

## Rope – Unmanila™ Polypropylene

This rope has a simulated manila look with performance durability of polyolefin. It is a fibrillated film fiber that has balanced construction, medium lay and moderate strength/moderate stretch. It is lightweight and buoyant, and exhibits good abrasion resistance and excellent hand and knotability.

Item #	Color	Cord Size	Put Up	Size #
515218	Tan	1/4 in.	1200 ft.	8

Unmanila™ is a trademark of Wellington Puritan Mills, Inc.



506326

## Cord – Nylon Shock

Nylon covered elastic cord of synthetic rubber. Ideal for sewing in boat cover hems, lacing down boat covers, car luggage racks and fastening applications.

Sold in full rolls only.

Item #	Style #	Description	Color	Cord Size	Put Up
506326	S/7307-14	Single Cover	White with Black Tracer	1/4 in.	150 ft.
506334	EC-114-500STD	Single Cover	White with Black Tracer	1/4 in.	500 ft.
506317	16448	Double Cover	Black	1/8 in.	300 ft.
506324	S/150	Single Cover	White with Black Tracer	1/8 in.	300 ft.
506325	S/7306-316	Single Cover	White with Black Tracer	3/16 in.	150 ft.
506328		Single Cover	White with Black Tracer	3/8 in.	100 ft.
506327	S/7308-516	Single Cover	White with Black Tracer	5/16 in.	150 ft.





## Cord – Single Cover Elastic

Elastic cord of synthetic rubber, designed to remain flexible and offer dependable elasticity when needed. When using any shock cords, always make sure ends are properly secured.

Warning: Secure hooks to ends carefully. Do not overstretch cord more than 50% of its normal length. Sudden disconnect in a stretched position may cause serious injury. Keep face and other vulnerable parts of the body away from the rebound path of the cord. Wear safety glasses during tie down and disconnect. Inspect cord before use. Discard if abraded, cut or cracked. Do not use to hold any surface which reacts to wind or air movement.

Item #	Style #	Description	Color	Cord Size	Put Up
506458	121	Cotton Covered	White with Black Tracer	1/4 in.	150 ft.
506455	130	Cotton Covered	White	1/8 in.	300 ft.
506456	1122	Cotton Covered	White with Black Tracer	3/16 in.	150 ft.
506462	350	Cotton Covered	White with Blue/Red Tracer	3/8 in.	100 ft.
506357	M-4	Polypropylene Covered	Black	1/4 in.	300 ft.
506355	M-4	Polypropylene Covered	Black	1/4 in.	500 ft.
506350	M-4	Polypropylene Covered	White with Black Tracer	1/4 in.	150 ft.
506348	M-3 Black	Polypropylene Covered	Black	3/16 in.	300 ft.
506340	M-3	Polypropylene Covered	White with Black Tracer	3/16 in.	1000 ft.
506363		Polypropylene Covered	White	3/16 in.	100 ft.
506349	M-3	Polypropylene Covered	White	3/16 in.	300 ft.
506354	M-6	Polypropylene Covered	White with Black Tracer	3/8 in.	100 ft.
506356	M-5	Polypropylene Covered	Black	5/16 in.	150 ft.
506352	M-5	Polypropylene Covered	White with Black Tracer	5/16 in.	150 ft.
506359	4002	Polypropylene Covered	White with Black Tracer	7/16 in.	250 feet



## Cord – Synthetic Shock

Item #	Color	Cord Size	Put Up
506489	White	1/8 in.	500 ft.
506490	White	3/16 in.	300 ft.
506491	White	1/4 in.	300 ft.
506492	White	5/16 in.	300 ft.
506493	White	3/8 in.	150 ft.
506494	White	1/2 in.	100 ft.
506497	Black	1/8 in.	500 ft.



## Cord – Cone Spring Hooks

Stainless steel. Used for fastening ends of elastic cords.

Item #	Style #	Cord Size	Put Up
506166	3	3/16 in.	100
506167	4	1/4 in.	100
506168	5	5/16 in.	100
506169	6	3/8 in.	100



506151

## Cord – Hog Ring Pliers

Fits 1/8 inch, 3/16 inch, 1/4 inch, 5/16 inch and 3/8 inch sizes of loop and end clamps.

Item #	Style #	Description
506150	1440AO	Opening Spring
506151	1440AC	Closing Spring



506163

## Cord – Loop And End Clamps

302 stainless steel. All looping rings are applied with clamp pliers. Used for splicing elastic cord.

Item #	Style #	Cord Size	Put Up
506161	X-0	1/4 in.	100
506155	X-0	1/4 in.	620
506160	X-00	1/8 and 3/16 in.	100
506162	X-1	5/16 in.	100
506158	X-1	5/16 in.	525
506163	X-2	3/8 in.	100



506152

## Cord – Plier Clamp

Item #	Style #
506152	XX



# REFERENCE

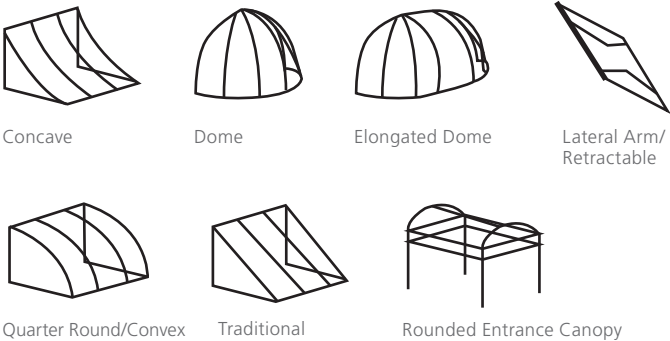
Need more info? Find digital mockups of the most common awning and marine styles. Or technical guides for calculations and measurements. Thumb through our index for easy navigation. Or see additional details on brands, product types, warranties, and more.

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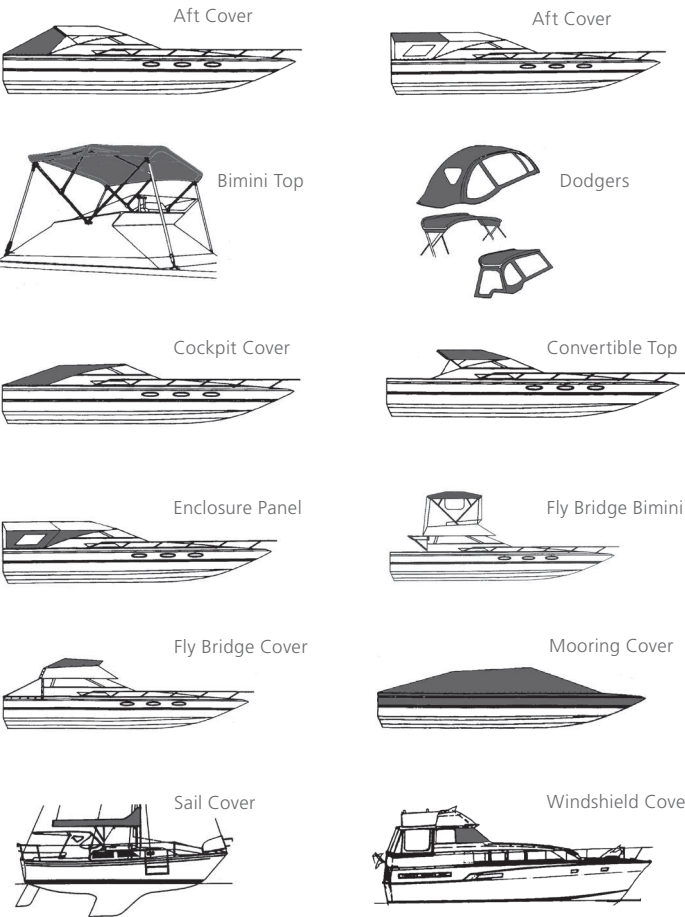
**Standard Awning Frame Styles**

(Courtesy of Professional Awning Manufacturers Association (PAMA), a division of the Industrial Fabrics Association International)



**Standard Marine Frame Styles**

(Courtesy of The Marine Fabricators Association)



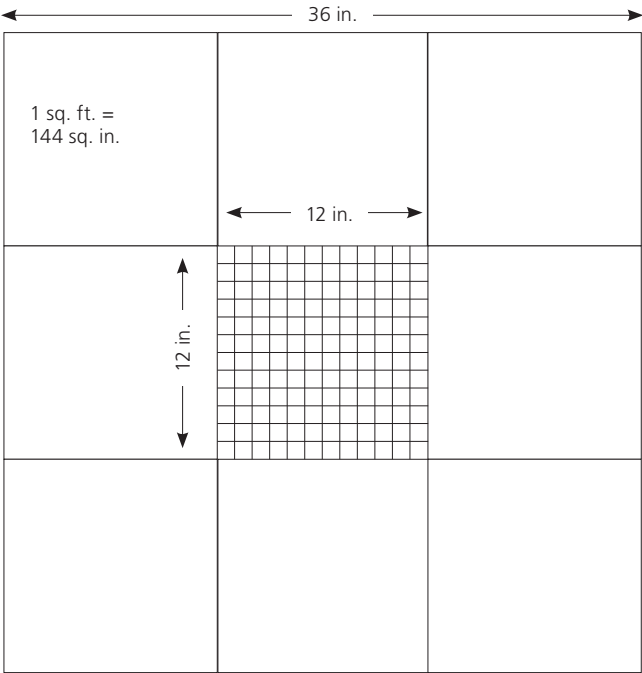
Conversion Chart

A Fabric Width in In.	B Contains this Many Sq. Ft.	C Contains this Many Sq. Yds.
31	7.75	0.86
36	9.00	1.00
40	10.00	1.11
46	11.50	1.28
47	11.75	1.31
48	12.00	1.33
54	13.50	1.50
60	15.00	1.67
61	15.25	1.69
62	15.50	1.72
69	17.25	1.92
72	18.00	2.00
76	19.00	2.11
78	19.50	2.17
80	20.00	2.22
84	21.00	2.33
96	24.00	2.67
105	26.25	2.92
108	27.00	3.00
118	29.5	3.28
120	30	3.33
126	31.5	3.50
144	36	4.00
150	37.5	4.17
157	39.25	4.36

To compute the cost per sq. ft. or sq. yd., simply take the price of the goods per linear yd. and divide it by the factor in column B or C.

**Handy Tips to Know**

- There are 144 sq. in. per sq. ft.
- There are 9 sq. ft. per sq. yd.
- There are 1296 sq. in. per sq. yd.



**Handy Tips to Know**

- 1 sq. yd. = 9 sq. ft.
- 1 sq. yd. = 1296 sq. in.

## Common Cloth Calculations

### To Find Pro Rata Price

(Knowing the price per yd. of a given width of cloth, what would be the pro rata price of the same cloth woven in another width?)

**Example:** If 46 in. cloth is priced at \$7.00 per yd., what would the pro rata price be in the same cloth woven 60 in. wide?

**Formula:**

$$\frac{\text{Known Width}}{\text{Known Price}} = \frac{\text{Desired Width}}{\text{Desired Price}}$$

Or

$$\frac{46}{\$7.00} = \frac{60}{x} : \frac{60 \times \$7.00}{46} = x : \frac{420}{46} = x = \$9.13$$

### To Find Pro Rata Wt. Expressed in Oz. per Linear Yd.

(Knowing the width and oz. per linear yd. of a given cloth, what would be the wt. of the same cloth woven in another width?)

**Example:** What is the pro rata wt. of 36 in. 12 oz. S.F. Duck woven 44 in. wide?

**Formula:**

$$\frac{\text{Known Width}}{\text{Known Price}} = \frac{\text{Desired Width}}{\text{Desired Price}}$$

Or

$$\frac{36}{12} = \frac{44}{x} : \frac{12 \times 44}{36} = x : \frac{528}{36} = x = \$14.67$$

### To Find Pro Rata Wt. Expressed in Yds. per Lb.

(Knowing the width and linear yds. per lb. of a given cloth, what would be the wt. of the same cloth woven in another width?)

**Example:** What is the pro rata wt. of 36 in. 6.15 yd. sheeting woven 45 in. wide?

**Formula:**

$$\frac{\text{Known Width} \times \text{Known Weight}}{\text{Desired Width}} = \text{Desired Weight}$$

Or

$$\frac{36 \times 6.15}{45} = x : \frac{221.4}{45} = x = 4.92 \text{ yd.}$$

### To Find the Oz. Wt. per Linear Yd. of Number Ducks

(Knowing the number designation of a wide duck, what does it weigh in oz.?)

**Example:** What is the linear yd. oz. wt. of 22 in. No. 4 Duck?

**Formula:** 19 less the number of the Duck equals its oz. wt. in 22 in. width or:  $19 - 4 = 15 \text{ oz.}$

The rule-of-thumb formula holds true for all numbers of Duck, 1 through 12 inclusive. To figure 22 in. oz. wt. for Number Ducks, to 19 add one less than number. **Example:** 22 in. No. 7/0 wts. 25 oz. or 19 plus 6.

Having established the 22 in. oz. wt. of a number Duck, the linear yd. wt. of any other width can be determined by a pro rata calculation.

**Conversion of Yds. per Lb. to Oz. per Yd.**

(Knowing the wt. of a given cloth in yd. per lb., what is the wt. expressed in oz. per yd.?)

**Example:** What is the wt. of oz. per yd. of 37 in. 2.75 yd. drill?

**Formula:**

$$\frac{16 \text{ oz. (1 lb.)}}{\text{yds. per lb.}} = \text{oz. per yd.}$$

Or

$$\frac{16}{2.75} = 5.818 \text{ oz.}$$

### Conversion of Oz. per Yd. to Yds. per Lb.

(Knowing the wt. of a given cloth in oz. per yd., what is the wt. expressed in yds. per lb.?)

**Example:** What is the wt. in yds. per lb. of 36 in. 10 oz. S.F.?

**Formula:**

$$\frac{16 \text{ oz. (1 lb.)}}{\text{oz. per yd.}} = \text{yds. per lb.}$$

Or

$$\frac{16}{10} = 1.6 \text{ yd. per lb.}$$

(From "Swirles on Basic Fabrics" copyright 1957)

## Mathematical Aids

To determine the cost of covering any flat surface, first compute its area in square measure. You can compute the area of almost any shape by using the following formulas. For odd shaped areas, it may be necessary to combine several of these formulas.

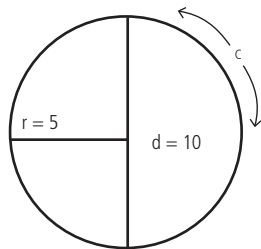
A = Area  
SA = Surface Area  
C = Circumference

### CIRCLE

$$A = \pi r^2$$

$$A = 3.1416 \times 5 \times 5$$

$$A = 78.54$$



### Note:

$$d = 2r$$

$$C = \pi d$$

$$C = 3.1416 \times 10$$

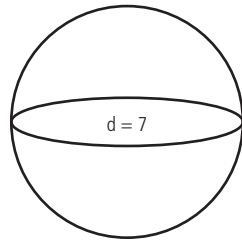
$$C = 31.416$$

### SPHERE

$$SA = \pi d^2$$

$$SA = 3.1416 \times 7 \times 7$$

$$SA = 153.94$$

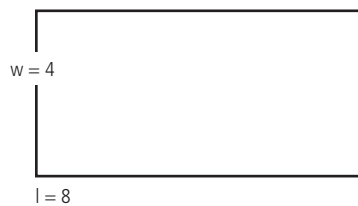


### RECTANGLE

$$A = l \times w$$

$$A = 8 \times 4$$

$$A = 32$$

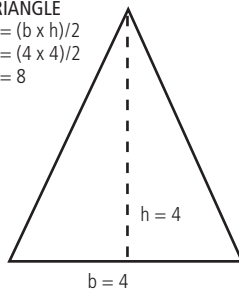


### TRIANGLE

$$A = (b \times h)/2$$

$$A = (4 \times 4)/2$$

$$A = 8$$

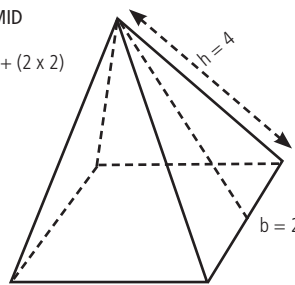


### 4-SIDED PYRAMID

$$SA = 2bh + b^2$$

$$SA = (2 \times 2 \times 4) + (2 \times 2)$$

$$SA = 20$$



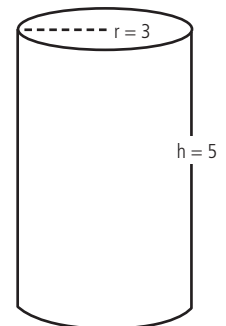
### CYLINDER

$$SA = 2\pi r^2 + 2\pi rh$$

$$SA = (2 \times 3.1416 \times 3 \times 3) + (2 \times 3.1416 \times 3 \times 5)$$

$$SA = 56.55 + 94.25$$

$$SA = 150.8$$



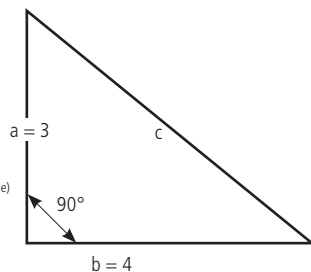
### PYTHAGOREAN THEOREM

$$c^2 = a^2 + b^2$$

$$c^2 = (3 \times 3) + (4 \times 4)$$

$$c^2 = 25$$

$$c = 5$$



In a right triangle, the square of the hypotenuse (the longest side) is equal to the sum of the squares of the other two sides.

## Linear Measure

English	Metric
12 in. = 1 ft.	10 mm = 1 cm
3 ft. = 1 yd.	100 cm = 1 m
36 in. = 1 yd.	1000 mm = 1 m

## English/Metric Equivalents

English	Metric
1 in. = 25.4 mm	1 mm = .0397 in.
1 in. = 2.54 cm	1 cm = .3937 in.
1 in. = .0254 m	1 m = 39.37 in.
1 yd. = .9144 m	1 m = 1.0936 yd.

## Square Measure

English	Metric
144 sq. in. = 1 sq. ft.	100 sq. mm = 1 sq. cm
9 sq. ft. = 1 sq. yd.	10,000 sq. cm = 1 sq. m
1296 sq. in. = 1 sq. yd.	1,000,000 sq. mm = 1 sq. m

## English/Metric Equivalents

1 sq. yd. = .836 sq. m	1 sq. m = 1.196 sq. yd.
1 sq. in. = .0006451 sq. m	1 sq. m = 1550 sq. in.

## Decimal Equivalents

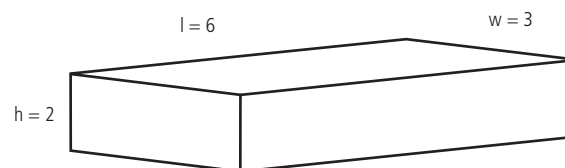
1/16 = .0625	9/16 = .5625
1/8 = .1250	5/8 = .6250
3/16 = .1875	11/16 = .6875
1/4 = .2500	3/4 = .7500
5/16 = .3125	13/16 = .8125
3/8 = .3750	7/8 = .8750
7/16 = .4375	15/16 = .9375
1/2 = .5000	

### RECTANGULAR PRISM

$$SA = 2(lw + hl + hw)$$

$$SA = 2 \times [(6 \times 3) + (2 \times 6) + (2 \times 3)]$$

$$SA = 72$$





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## Terms of Sale

### Limited Warranties

Trivantage, LLC warrants that goods sold by it shall be free from defects in material and workmanship and will conform to applicable specifications and drawings. Trivantage, LLC's liability, whether based on breach of warranty or contract, negligence in manufacture, or otherwise shall be limited to replacement or repair (at Trivantage, LLC's election) of the defective or nonconforming goods, or (at Trivantage, LLC's election) refund of the purchase price thereof. This warranty shall apply, and Trivantage, LLC shall be liable for replacement, repair or refund, only if Buyer has given Trivantage, LLC written notice of the defect or nonconformity within 180 days after delivery of such goods to Buyer. Trivantage, LLC assumes no liability for results of the use of goods purchased from Trivantage, LLC, including, without limitation, their use in combination with other components, assemblies or products, or their suitability or unsuitability for a particular use or a particular environment. Trivantage, LLC makes no warranty of merchantability as to goods designated as seconds, goods otherwise designated as not of first quality, or goods identified to Buyer as being of foreign origin. Unless specifically indicated to the contrary, goods sold are not fire retardant and should not be exposed to intense heat or flame. Unless specifically indicated to the contrary, goods sold are not water resistant or waterproof. Trivantage, LLC neither undertakes to independently test nor makes any representation or warranty with respect to any manufacturer's claims for performance for its products, including the claims of a manufacturer that its product is fire retardant, water resistant or waterproof. Any warranty given by any other manufacturer or supplier of goods sold or of component parts thereof is assigned by Trivantage, LLC to the Buyer to the extent permissible under law and the terms of such warranty. **THE FOREGOING CONSTITUTES THE SOLE AND EXCLUSIVE WARRANTY OF TRIVANTAGE, LLC AND THE SOLE AND EXCLUSIVE REMEDY OF THE BUYER, AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, AS TO MERCHANTABILITY, FITNESS FOR THE PURPOSE SOLD, DESCRIPTION, QUALITY OR ANY OTHER MATTER. WITHOUT LIMITING THE FOREGOING, TRIVANTAGE, LLC SHALL IN NO EVENT BE LIABLE FOR LOSS OF USE OR PROFIT, OR FOR OTHER COLLATERAL, INCIDENTAL, PUNITIVE, SPECIAL OR CONSEQUENTIAL DAMAGES.**

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Unless otherwise agreed in writing, terms are net thirty (30) days, F.O.B. shipping point, subject to approval by the Trivantage, LLC credit department. Customers without established credit approval from Trivantage, LLC should remit payment with the order, or instruct Trivantage, LLC to ship C.O.D. A service charge of 1-1/2% per month (18% per annum) or the maximum amount allowed by applicable law will be added to all past due invoices. Buyer is responsible for payment of all applicable sales, use or other taxes, whether local, state or federal, with respect to the goods purchased, or returning to Trivantage, LLC the properly completed and signed sales tax exemption form. Buyer is responsible for any import or export charges.

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Authorization must be obtained from Trivantage, LLC prior to return of any goods for repair, replacement, or credit. Trivantage, LLC shall have the right, prior to return, to inspect any goods claimed to be defective or nonconforming. All returned shipments authorized by Trivantage, LLC shall be prepaid by Buyer. Unless Trivantage, LLC determines, upon inspection of returned goods, that the goods were defective or nonconforming, a \$15.00 or 15% handling charge (whichever is greater) will be imposed on the Buyer. No claims on fabric will be allowed, whether the goods are conforming or not, if the goods have been cut. If a pattern or color match is desired, a swatch of the pattern or color required must be submitted with the order. In no event shall Buyer be entitled to any right of set-off against Trivantage, LLC.

**Miscellaneous**

If any goods or services ordered by Buyer are supplied by Trivantage, LLC in accordance with designs or specifications of the Buyer, and such goods are not Trivantage, LLC's standard items or supplied in accordance with Trivantage, LLC's standard processes, Buyer shall indemnify Trivantage, LLC from any expense, loss, damage or liability which may be incurred by Trivantage, LLC on account of any infringement or alleged infringement of any U.S. or foreign patent rights with respect to such goods or processes. The sale of goods by Trivantage, LLC does not convey a license, express or implied, under any patent in which Trivantage, LLC has an interest, nor does it convey rights to any descriptive data, including Trivantage, LLC's manufacturing drawings, processes or tooling.

**THE PARTIES AGREE THAT THIS AGREEMENT, ANY SALES THERE UNDER, OR ANY CLAIM, DISPUTE OR CONTROVERSY (WHETHER IN CONTRACT, TORT, OR OTHERWISE, WHETHER PREEXISTING, PRESENT OR FUTURE, AND INCLUDING STATUTORY, COMMON LAW, AND EQUITABLE CLAIMS) BETWEEN TRIVANTAGE, LLC AND BUYER arising from or relating to this agreement, its interpretation, or the breach, termination or validity thereof, the relationships which result from this agreement, or any related purchase SHALL, TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, BE GOVERNED BY THE LAWS OF THE STATE OF NORTH CAROLINA, WITHOUT REGARD TO CONFLICTS OF LAWS RULES.**

Buyer irrevocably submits to the exclusive jurisdiction of the state and federal courts of the State of North Carolina for the resolution of any legal action arising out of this Agreement and irrevocably agrees that venue for such legal action shall lie exclusively in Alamance County, North Carolina, for any state court action, or in the Middle District of North Carolina for any action instituted within the federal court system.

Any provision hereunder that is prohibited or unenforceable in any jurisdiction shall, as to such jurisdiction, be ineffective to the extent of such prohibition or unenforceability without invalidating the remaining provisions hereof, and any such prohibition or unenforceability in any jurisdiction shall not invalidate or render unenforceable such provision in any other jurisdiction.

If the goods purchased are to be used in fulfilling a contract or a subcontract either with the U.S. Government or any agency thereof, Trivantage, LLC will comply with all mandatory provisions of the Government applicable to Trivantage, LLC if and only if Buyer gives Trivantage, LLC written notice of such provisions in sufficient time to permit compliance. In addition, Trivantage, LLC may, at its option, adopt any provisions of the Armed Services Procurement Regulations or other federal laws or regulations applicable to or made available to subcontractors in the prime contract.

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