

## 2023 FABRIC SPECIFIER'S GUIDE

# AWNING & CANOPY FABRIC SPECIFICATION TABLES

The Awning & Canopy Fabric Specification Tables list characteristics of materials manufactured and distributed by a number of companies. For fabrics that are manufactured by one company and distributed by another, the manufacturer is listed.

The fabric specification charts are organized according to basic fabric types and their various top coatings or finishes.

### PARTICIPATING COMPANIES



**Alnet Americas Inc.**  
alnetamericas.com



**Bainbridge International Inc.**  
bainbridgeintusa.com



Americas • Asia • Europe • Middle East • Africa  
**Cooley Group**  
cooleygroup.com



**Covin Sales & Converting**  
covinsales@sbcglobal.net



**Ennis Fabrics**  
ennisfabrics.com



**Gale Pacific**  
galecommercial.com



**Glen Raven Custom Fabrics LLC**  
glenraven.com | sunbrella.com



**Herculite Products Inc.**  
herculite.com



**Keyston Bros.**  
keystonbros.com



**Marlen Textiles**  
marlentextiles.com



**The Miami Corporation**  
miamicorp.com



**Recasens USA**  
recasens.com



**S&F Sign Supply**  
sfsupplies.com



**Safety Components**  
weathermax.com



**Sattler Corp.**  
sattler-usa.com



**Serge Ferrari**  
sergeferrari.com/us



**Snyder Mfg. Inc.**  
snyderman.com



**Trivantage LLC**  
trivantage.com



**Value Vinyls**  
valuevinyls.com

All specifications included in the table were submitted voluntarily by the companies, and their accuracy is the responsibility of the manufacturer. It is important to confirm compatibility with the manufacturer.

The appearance of a listing in the table is not an endorsement of a company or product by *Fabric Architecture* magazine or the Advanced Textiles Association (ATA). *Fabric Architecture* and ATA encourage readers to contact the companies directly for additional information.

CATEGORY		Acrylic, Vinyl or Resin – Coated Polyester or Polyester Cotton						Clear Vinyl			HDPE Raschel Knit		
Trade Name of Fabric	Supplier	Main Street®	Starfire®	Odyssey FR	Top Gun FR	Top Gun FR Lite	Ultra Clear	Ultra Clear FR	Ultra Clear Sheet	Commercial Heavy 430	Commercial 95	Dualshade 350	
		Glen Raven Inc./ Trivantage LLC trivantage.com	Glen Raven Inc./ Trivantage LLC trivantage.com	Marlen Textiles marlentextiles.com	Marlen Textiles marlentextiles.com	Marlen Textiles marlentextiles.com	Ennis Fabrics ennisfabrics.com	Ennis Fabrics ennisfabrics.com	Ennis Fabrics ennisfabrics.com	GALE Pacific USA, Inc. galecommercial.com	GALE Pacific USA, Inc. galecommercial.com	GALE Pacific USA, Inc. galecommercial.com	
Warranty		5 years, limited	5 years, pro rated (color loss excluded on #707 Red)	3 years	8 years	5 years	2 years	2 years	2 years	15 years	10 years	10 years	
Water Repellent		X	X	X	X	X	X	X	X				
CSFM Compliant		X	X	X	X	X		NA	NA				
Flame Standards Met		ASTM-E-84, Class A; NFPA 701-2010 TM2	ASTM-E-84, Class A; NFPA 701-2010 TM2	MVSS-302, CPAI-84, NFPA 701, CAN/ULC-S109-03, FAA/FAR 25.853, CSFM Title 19	CPAI-84, NFPA 701, ASTM-E 84, CAN/ULC-S109-03, FAA/FAR 25.853	CPAI-84, NFPA 701, CSFM Title 19, ASTM-E 84, CAN/ULC-S109-03, FAA/FAR 25.853	Motor Vehicle Safety Standard 302	NFPA701, CANULCS109, California Bulletin 117-Section E, Motor vehicle safety standard 302	Motor vehicle safety standard 302, California Bulletin 117-2013	ASTM E-84 Class A	ASTM E-84 Class A	ASTM E-84 Class A	
Mildew Resistance Cited to ASTM G22			X	X	X	X							
Wick resistant			X	X	X	X				X	X	X	
Colors Available - Top		8 solids	14 solids	7 solids	12 solids	12 solids	3 colors	3 colors	1 color	16	22	12	
Colors Available - Underside		Same as top	Same as top	Same as top	12 solids	12 solids	Same as top	Same as top	Same as top				
Opaque			X			X							
Translucent							X	X	X				
Backlit Capable													
Heat Transfer Film Capable				Film, paints	Film, paints	Film, paints							
Heat Sealed Inset Graphics Capable			X	X	X	X	X	X	X	X	X	X	
Sewn-in Inset Graphic Capable		X	X	X	X	X	X	X	X	X	X	X	



CATEGORY		HDPE Raschel Knit				Knitted HDPE		Mesh, Coated		Mesh, Non-PVC	Nylon, 100%	
		Commercial Heavy 430 FR	Commercial 95 FR	Dualshade 350 FR	SolaMesh™	Alnet Extrablock	Extrablock	PCS899K	PCS1018		Tempotest StarScreen	Cordura
Trade Name of Fabric	Supplier	GALE Pacific USA, Inc. <a href="http://galecommercial.com">galecommercial.com</a>	GALE Pacific USA, Inc. <a href="http://galecommercial.com">galecommercial.com</a>	GALE Pacific USA, Inc. <a href="http://galecommercial.com">galecommercial.com</a>	Glen Raven Inc./ Trivantage LLC <a href="http://trivantage.com">trivantage.com</a>	Alnet Extrablock	Ennis Fabrics <a href="http://ennisfabrics.com">ennisfabrics.com</a>	Snyder Manufacturing <a href="http://snyderman.com">snyderman.com</a>	Snyder Manufacturing <a href="http://snyderman.com">snyderman.com</a>	Paral/ Miami Corp <a href="http://miamicorp.com">miamicorp.com</a>	Ennis Fabrics <a href="http://ennisfabrics.com">ennisfabrics.com</a>	Ennis Fabrics <a href="http://ennisfabrics.com">ennisfabrics.com</a>
	Warranty	12 years	10 years	10 years	10 years against UV degradation, loss of color is not included	10 years Nonprorated	10 years			3 years	2 years	2 years
Durability	Water Repellent					X	X			X		X
	CSFM Compliant					X	X	X	X	X		
Flame Standards Met	Mildew Resistance Cited to ASTM G22					X	X			X		
	Wick resistant	X	X	X	CSFM, NFPA 701 Test Method 2, ASTM E-84, CAN-ULC S109-14	X	X	X	X	X		
Colors Available - Top	Colors Available - Underside	16	22	12	19 solids	X	21 colors	7 plus custom color	7 plus custom color	17 solids and textures	17 colors	13 colors
					Same as top	X	Same as top	7 plus custom color	7 plus custom color	Same as top	Same as top	Same as top
Aesthetics	Opaque						X				X	X
	Translucent					X		X	X	X		
Graphics	Backlit Capable					X						
	Heat Transfer Film Capable					X		X	X	X		
Heat Sealed Inset Graphics Capable	Sewn-In Inset Graphic Capable					X		X	X	X		X
						X		X	X	X		X

<b>Graphics</b>	Eradication Capable																						
	Pressure Sensitive Vinyl Capable																						
	Silk Screening Capable				Yes, 1 to 5 years		X																
	Hand Painting Capable				Yes, 1 to 5 years		X																
	Digital Printing Capable				Yes, 6 months to 1 Year		X																
<b>Handling</b>	Heat Sealable (w/o Seam tape)				X																		
	Heat Sealable (w/seam tape)																						
	Shrinkage cited to ASTM D1204																						
	Stretch Factor Cited to ASTM D4851; CFFA 15																						
	Cleaning Agents Available																						
<b>Construction</b>	Base Fabric																						
	Finish Type or Coating																						
	Standard Put Up (Per Roll)																						
	Finished Width(s)																						
	Finished Weight (Per Sq.Yd.)																						
<b>Support Materials</b>	Fabrication or Technical Manual																						
	Specification Sheet Available																						

CATEGORY		PVC or PVDF/PVC Coated Polyester										
		Polyester					Geoquilt					
Trade Name of Fabric	Supplier	Defender	SPX	HSX-v	Apollo	Arctic -40	Ascent	Atlas	Carbon	Challenger	Elysium	Geoquilt
Warranty	Ennis Fabrics ennisfabrics.com	2 years			2 years	2 years	3 years	2 years	3 years	3 years	3 years	3 years
Water Repellent	Bainbridge International bainbridgeintusa.com	X	X	X	X	X	X	X	X	X	X	X
CSFM Compliant	Ennis Fabrics ennisfabrics.com						NA		NA		NA	NA
Flame Standards Met	Ennis Fabrics ennisfabrics.com				En-1176-10 Playground Equipment Surface, En 1021-1 Cigarette test, Match Lighting	Motor Vehicle Safety Standard 302., California Bulletin 117-Section E	CALTB117-2013, IMO FTP Code 2010 - Part 8, MVSS302, NFPA 260 Class(e) 1, UFAC Class(e) 1	Motor Vehicle Safety Standard 302	CALTB117-2013, IMO FTP Code 2010 - Part 8, MVSS302, NFPA 260 Class(e) 1, UFAC Class(e) 1	CALTB117-2013, IMO FTP Code 2010 - Part 8, MVSS302, NFPA 260 Class 1, UFAC Class(e) 1	CALTB117-2013, IMO FTP Code 2010 - Part 8, MVSS302, NFPA 260 Class(e) 1, UFAC Class(e) 1	CALTB117-2013, IMO FTP Code 2010 - Part 8, MVSS302, NFPA 260 Class(e) 1, UFAC Class(e) 1
Mildew Resistance Cited to ASTM G22					X		X - ASTM G2 13	X	X - ASTM G2 13	X - ASTM1428	X - ASTM G2 13	X - ASTM G2 13
Wick resistant			X	X								
Colors Available - Top		13 colors	X	X	9 colors	1 color	27	5 colors	2	40 Colors	7	7
Colors Available - Underside		Same as top	X	X	Same as top	Same as top	Same as top	Same as top	Same as top	Same as top	Same as top	Same as top
Opaque		X			X	X	X	X	X	X	X	X
Translucent			X	X								
Backlit Capable			X	X								
Heat Transfer Film Capable												
Heat Sealed Inset Graphics Capable					X	X	X	X	X	X	X	X
Sewn-In Inset Graphic Capable		X	X	X	X	X	X	X	X	X	X	X



CATEGORY		PVC or PVDF/PVC Coated Polyester										
Trade Name of Fabric		Gilded	Hercules	Linum	Midship	Mercury	Sampson	Stipple	Arcade FR	LAC 650 SL	745 FR	745 Evolution
<b>Supplier</b>		Ennis Fabrics ennisfabrics.com	Ennis Fabrics ennisfabrics.com	Ennis Fabrics ennisfabrics.com	Ennis Fabrics ennisfabrics.com	Ennis Fabrics ennisfabrics.com	Ennis Fabrics ennisfabrics.com	Ennis Fabrics ennisfabrics.com	Glen Raven Inc./ Trivantage LLC trivantage.com	Glen Raven Inc./ Trivantage LLC trivantage.com	Sattler Corp/ Bainbridge USA, Keystone Brothers, S&F Sign Supply	Sattler Corp/ Bainbridge USA, Keystone Brothers, Keyston Brothers
<b>Warranty</b>		3 years	2 years	3 years	2 years	2 years	2 years	3 years	5 years	5 years	10 years	10 years
<b>Water Repellent</b>		X	X	X	X	X	X	X	X	X	X	Water proof
<b>CSFM Compliant</b>		NA		NA				NA	X	X	X	X
<b>Flame Standards Met</b>		CALTB117-2013, IMO FTP Code 2010 - Part 8, MVSS302, NFPA 260 Class(e) 1, UFAC Class(e) 1		CALTB117-2013, IMO FTP Code 2010 - Part 8, MVSS302, NFPA 260 Class(e) 1, UFAC Class(e) 1	UFAC Class 1, NFPA 260 Class 1, California Bulletin 117-Section E	En-1176-10 Playground Equipment Surface, En 1021-1 Cigarette Test, Match lighting	NFPA-701 Large Scale & Motor Vehicle Safety Standard 302 & CPAL-84	CALTB117-2013, IMO FTP Code 2010 - Part 8, MVSS302, NFPA 260 Class(e) 1, UFAC Class(e) 1	ASTM-E-84, Class A, NFPA 701- 2010TM2	ASTM-E-84, Class A, NFPA 701- 2010TM2	NFPA 701, ASTM E 84	NFPA 701, ASTM E 84, CA T-19
<b>Mildew Resistance Cited to ASTM G22</b>		X - ASTM G2 13	X	X - ASTM G2 13	X - ASTM1428	X		X - ASTM G2 13				
<b>Wick resistant</b>												
<b>Colors Available - Top</b>		8	7 colors	4	27 colors	14 colors	12 colors	2	16 solids	15 solids	11	20
<b>Colors Available - Underside</b>		Same as top	Same as top	Same as top	Same as top	Same as top	Same as top	Same as top	Same as top	Same as top	Same as top	Same
<b>Opaque</b>		X	X	X	X	X	X	X			1	1
<b>Translucent</b>											10	20
<b>Backlit Capable</b>											10	20
<b>Heat Transfer Film Capable</b>											X	X
<b>Heat Sealed Inset Graphics Capable</b>		X	X	X	X	X	X	X	X	X	X	X
<b>Sewn-In Inset Graphic Capable</b>		X	X	X	X	X	X	X	X	X	X	X





CATEGORY		PVC or PVDF/PVC Coated Polyester										PVC, Coated	PVC Laminate	Solution Dyed Acrylic or PVC	
		Trade Name of Fabric	Solitis Proof 502	Flexlight Xtrem TX30 Type 2	Soluna	Structure Tec 18	Structure Tec Event 18	Structure Tec 20 Blockout	Structure Tec 22 Blockout	VIP_FR	Ultra			Sundown	Sundown
<b>Durability</b>	<b>Supplier</b>	Serge Ferrari sergeferrari.com/us	Serge Ferrari sergeferrari.com/us	Serge Ferrari sergeferrari.com/us	Value Vynyls valuevynyls.com	Value Vynyls valuevynyls.com	Value Vynyls valuevynyls.com	Value Vynyls valuevynyls.com	Value Vynyls valuevynyls.com	Covin Sales & Converting covinsales.com	Snyder Manufacturing snyderman.com	Covin Sales & Converting covinsales.com	Covin Sales & Converting covinsales.com		
	<b>Warranty</b>	10 years awnings 5 years other	20 years	5 years			5 years	5 years	5 years	5 years	5 years	10 years	10 years		
	<b>Water Repellent</b>	X	X	X	X	X	X	X	X	X	X	X	X		
	<b>CSFM Compliant</b>	X	X						X	X					
	<b>Flame Standards Met</b>	ASTM E84-03, CAN UCL S109, NFPA 701, CSFM	NFPA-701, CSFM	ASTM-E-84, NFPA-701	NFPA-701	NFPA-701	NFPA-701	NFPA-702	CSFM title19, NFPA 701	CSFM, ASTM E-84 A, NFPA 701					
	<b>Mildew Resistance Cited to ASTM G22</b>	X	X	X	X	X	X	X	X	X	X	X	X		
	<b>Wick resistant</b>	X	X						X	X	X	X	X		
	<b>Colors Available - Top</b>	40	White	11 solids	White	White	White	White	40	17 plus custom color match	98 solids, 104 stripes in 47 in	49 solids in 60 in			
	<b>Colors Available - Underside</b>	Same as top	White	Same as top	White	White	White	White	Same as top	17 plus custom color match	Same as top	Same as top			
	<b>Aesthetics</b>	<b>Opaque</b>										X	X		
<b>Translucent</b>		X	X	X	X	X		X	X	X	X	X	X		
<b>Backlit Capable</b>															
<b>Graphics</b>	<b>Heat Transfer Film Capable</b>	Film, paints								Film, inks	X				
	<b>Heat Sealed Inset Graphics Capable</b>	X	X	X	X	X	X	X	X	X	X	X	X		
	<b>Sewn-In Inset Graphic Capable</b>	X	X	X	X	X	X	X	X	X	X	X	X		

<b>Graphics</b>	Eradication Capable																										
	Pressure Sensitive Vinyl Capable								X							X						X					
	Silk Screening Capable																						X				
	Hand Painting Capable																							X			
	Digital Printing Capable																				Solvent inks, UV inks		Solvent inks, UV inks				
<b>Handling</b>	Heat Sealable (w/o Seam tape)								X																		
	Heat Sealable (w/seam tape)																								X		
	Shrinkage cited to ASTM D1204																								X		
	Stretch Factor Cited to ASTM D4851; CFFA 15																								X		
	Cleaning Agents Available																										
<b>Construction</b>	Base Fabric																								Acrylic		
	Finish Type or Coating																								Vinyl	Fluorocarbon	
	Standard Put Up (Per Roll)																									Approx 55, 65 yds	
	Finished Width(s)																									60, 47 in	47, 60 in
	Finished Weight (Per Sq. Yd.)																										9 oz
<b>Support Materials</b>	Fabrication or Technical Manual																										X
	Specification Sheet Available																										X

CATEGORY	Solution Dyed Acrylic						Solution Dyed Acrylic or PVC				
	Trade Name of Fabric	Sunbrella® Alloy	Firemaster 47	Dickson® Orchestra North American Collection	Sunbrella® Custom Fabrics	Sunbrella® Decorative Shade	Sunbrella® Inkjet White	Sunbrella® Mayfield Collection®	Sunbrella® Mayfield Collection®	Sunbrella® Unity	60" Solids
<b>Supplier</b>		Glen Raven Custom Fabrics glenraven.com sunbrella.com	Sattler Corp sattler-usa.com	Glen Raven Inc./ Trivantage LLC trivantage.com	Glen Raven Custom Fabrics glenraven.com sunbrella.com	Glen Raven Custom Fabrics glenraven.com sunbrella.com	Glen Raven Custom Fabrics glenraven.com sunbrella.com	Glen Raven Inc./ Trivantage LLC trivantage.com	Glen Raven Inc./ Trivantage LLC trivantage.com	Glen Raven Custom Fabrics glenraven.com sunbrella.com	Sattler Corp sattler-usa.com
	<b>Warranty</b>	5 years	5 years	10 years, limited	10 years, limited	5 years	3 years	10 years, limited	10 years, limited	5 years	10 years
	<b>Water Repellent</b>		X	X	X	X	X	X	X	X	X
	<b>CSFM Compliant</b>		X								
<b>Durability</b>	<b>Flame Standards Met</b>	CATB117- Class 1	NFPA 701, ASTM E 84			CATB117- Class 1					
	<b>Mildew Resistance Cited to ASTM G22</b>	X			X	X					
	<b>Wick resistant</b>										
<b>Colors Available - Top</b>		8 colors	15	60 solids, 51 stripes, 9 jacquards	63 solids, 23 textures, 60 stripes, 12 decorative patterns	3 patterns, 2 sku's each	1	14 stripes	10 solids	5 solids	36
	<b>Colors Available - Underside</b>	Same as top	10	Same as top	Same as top	Same as top	Same as top	Same as top	Same as top	Same as top	Same as top
<b>Aesthetics</b>	<b>Opaque</b>	X			X	X				X	
	<b>Translucent</b>						X				Depends on color
	<b>Backlit Capable</b>										Depends on color
<b>Graphics</b>	<b>Heat Transfer Film Capable</b>	Film	X	Film	Film	Film		Film	Film	Film, paints	X
	<b>Heat Sealed Inset Graphics Capable</b>		X	X	X	X		X	X		X
	<b>Sewn-In Inset Graphic Capable</b>	X	X	X	X	X		X	X	X	X

<b>Graphics</b>	Eradication Capable																							
	Pressure Sensitive Vinyl Capable		X																	X				X
	Silk Screening Capable		X																	X				X
	Hand Painting Capable		X																	X				X
	Digital Printing Capable		X									Solvent inks, Eco Solvent, UV inks, latex inks								X				X
<b>Handling</b>	Heat Sealable (w/o Seam tape)																							
	Heat Sealable (w/seam tape)		X																X					X
	Shrinkage cited to ASTM D1204																					X		
	Stretch Factor Cited to ASTM D4851; CFFA 15																			X				
	Cleaning Agents Available		X																	X				X
<b>Construction</b>	Base Fabric																							Solution dyed acrylic
	Finish Type or Coating																							Acrylic, 50% post-ind. recycled fiber
	Standard Put Up (Per Roll)		60 yds																	Resin/ fluorodtechnical			Approx. 60 yds	60 yds
	Finished Width(s)		60 in																				60 in	60 in
	Finished Weight (Per Sq. Yd.)																						9.25 oz	9.25 oz
	Fabrication or Technical Manual																						X	
Specification Sheet Available																						X		X

CATEGORY	Solution Dyed Acrylic						Solution Dyed Acrylic, Backcoated	Solution Dyed Acrylic, Backcoated, Modified	Solution Dyed Acrylic, Vinyl Backcoated	Solution Dyed Polyester	
	Trade Name of Fabric	Big Sur 60" Stripes	Elements 47"	Lumera & Lumera 3D	Recacril®	Tempotest					Tempotest Coated
<b>Durability</b>	<b>Supplier</b>	Sattler Corp sattler-usa.com	Sattler Corp sattler-usa.com	Sattler Corp sattler-usa.com	S A Recasens recasens.com	Para / Miami Corp miamicorp.com	Para / Miami Corp miamicorp.com	Recsystem®	S A Recasens recasens.com	Ennis Fabrics ennisfabrics.com	
	<b>Warranty</b>	10 years	10 years	10 years	10 years	10 years	10 years	5 years	5 years	8 years	
	<b>Water Repellent</b>	X	X	Water repellent	X	X	X	X	X	X	
	<b>CSFM Compliant</b>							X			
	<b>Flame Standards Met</b>								NFPA 701-2015, CSFM Title 19, CPAL-84		
	<b>Mildew Resistance Cited to ASTM G22</b>				X	X	X	X	X	X - ASTM1428	
	<b>Wick resistant</b>					X	X			X	
	<b>Colors Available - Top</b>	6	101	51	77 solids, 49 stripes	89 stripe / 79 solids / 46 textures	15 solids	20 solids, stripes special order	10 solid colors	14 solids	12 colors
	<b>Colors Available - Underside</b>	Same as top	Same as top	Same as top	Same as top	Same as top	Tinted coating to match top	Clear acrylic backcoat	Clear acrylic backcoat	Pigmented vinyl backcoat	Same as top
	<b>Aesthetics</b>				X	X	X	X	X	X	X
		Depends on color	Depends on color								
	Depends on color	Depends on color	Depends on color								
<b>Backlit Capable</b>	X	X	X	Film	X	X	Film	Film			
<b>Heat Transfer Film Capable</b>	X	X	X	X	X	X	X	X			
<b>Heat Sealed Inset Graphics Capable</b>	X	X	X	X	X	X	X	X			
<b>Graphics</b>										X	

<b>Graphics</b>	Eradication Capable															
	Pressure Sensitive Vinyl Capable	X			X				X			X				
	Silk Screening Capable	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Hand Painting Capable	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Digital Printing Capable	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
<b>Handling</b>	Heat Sealable (w/o Seam tape)															X
	Heat Sealable (w/seam tape)	X			X				X			X			X	X
	Shrinkage cited to ASTM D1204															
	Stretch Factor Cited to ASTM D4851; CFFA 15															
	Cleaning Agents Available	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
<b>Construction</b>	Base Fabric	Solution dyed acrylic	Solution dyed acrylic	Solution dyed acrylic	Solution dyed acrylic	Acrylic	Fluorocarbon/Resin	Teflon Extreme	Teflon Extreme	Acrylic, acrylic backcoat	Modified acrylic/acrylic backcoat	Acrylic, vinyl backcoat	Solution-dyed polyester			
	Finish Type or Coating	Treated	Treated	Treated	Treated	Fluorocarbon/Resin	Fluorocarbon/Resin	Teflon Extreme	Teflon Extreme	Fluorocarbon/Resin	Fluorocarbon/Resin	Fluorocarbon/Resin	C0 (Fluorine Free) DWR			
	Standard Put Up (Per Roll)	60 yds	60 yds	60 yds	60 yds	65 yds	55 - 65 yds	55 yds	65 yds	65 yds	65 yds	65 yds	50 yds			
	Finished Width(s)	60 in	47 in	47 in	47 in	47, 60, 78, 98 in	47, 60, 80 in	60 in	60 in	60 in	60 in	60 in	60 in			
	Finished Weight (Per Sq. Yd.)	9 oz	8.5 oz	8.5 oz	8.5 oz	9 oz	8.8 oz	9.7 oz	10 oz	10 oz	10 oz	17.4 oz	9 oz			
<b>Support Materials</b>	Fabrication or Technical Manual	X	X	X	X			X	X							
	Specification Sheet Available	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

CATEGORY	Solution Dyed Polyester								Solution Dyed Polymer		Solution Dyed Woven FR Polyester		Solution Dyed Woven PET, Recycled
	Trade Name of Fabric	Solar Shade FR	Solar Shade PU FR	Atlantis	Top Notch	Top Notch 9	Top Notch FR	WeatherMAX® 80	WeatherMAX® FR	Firesist®	Tempotest Starlight FR	Tempotest Starlight Blue	
<b>Durability</b>	<b>Supplier</b>	Ennis Fabrics ennisfabrics.com	Ennis Fabrics ennisfabrics.com	Ennis Fabrics ennisfabrics.com	Marlen Textiles marlentextiles.com	Marlen Textiles marlentextiles.com	Marlen Textiles marlentextiles.com	Safety Components weathermax.com	Safety Components weathermax.com	Glen Raven Custom Fabrics glenraven.com sumbrella.com	Para / Miami Corp miamicorp.com	Para / Miami Corp miamicorp.com	
	<b>Warranty</b>	8 years	8 years	5 years	8 years	8 years	8 years	10 years	5 years	5 years	5 years	5 years	
	<b>Water Repellent</b>	X	X	X	X	X	X	X	X	X	X	X	
	<b>CSFM Compliant</b>						X		X	X	X		
<b>Flame Standards Met</b>		NFPA701, CANULCS109, California Bulletin 117-Section E, Motor vehicle safety standard 302	NFPA701, CANULCS109, California Bulletin 117-Section E, Motor vehicle safety standard 302	CALTB117-2013, ASTM-E84, MVSS-302, UFAC Class 1, NFPA 260, NFPA 701, CAN/ULC-S109, CPAI84			CPAI-84, NFPA-701, CSFM Title 19, ASTM-E 84, CAN/ULC-S109-03, FAA/FAR 25.853		CSFM Title 19, NFPA-701; CPAI 84; ASTM-E84, Class 1 or A; FMVSS-302	Cal Title 19, NFPA-701, CPAI 84, ASTM E84, Class 1 (UNJEN 9177), MVSS 302	Cal Title 19, NFPA-701, CPAI 84, ASTM E84, Class 1 (UNJEN 9177), MVSS 302	16 solids, textures and stripes	
	<b>Mildew Resistance Cited to ASTM G22</b>	X - ASTM1428	X - ASTM1428	X - ASTM1428	X	X	X	X	X	X	X	X	
	<b>Wick resistant</b>	X	X	X			X	X	X	X	X	X	
	<b>Colors Available - Top</b>	8 colors	8 colors	11 colors	12	13	10	20 solids, 2 tweeds, 2 linens	14 solids	16 solids	14 solids	16 solids, textures and stripes	
<b>Aesthetics</b>	<b>Colors Available - Underside</b>	Same as top	Same as top	Same as top	12	13	10	Same as top	Same as top	Coated underside	Same as top	same as top	
	<b>Opaque</b>	X	X	X	X	X	X	X	X	X	X	X	
	<b>Translucent</b>					X	X						
	<b>Backlit Capable</b>									X			
<b>Graphics</b>	<b>Heat Transfer Film Capable</b>				Film, paints	Film, paints	Film, paints	Film, paints	Film, paints	Film	X	X	
	<b>Heat Sealed Inset Graphics Capable</b>				X	X	X		X	X	X	X	
	<b>Sewn-In Inset Graphic Capable</b>	X	X	X	X	X	X	X	X	X	X	X	



<b>Graphics</b>	Eradication Capable	X	X	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Dye sublimation	Solvent inks, UV inks	Solvent and UV inks	
	Pressure Sensitive Vinyl Capable	X	X	Solvent inks, UV inks	Solvent inks, UV inks				X	X	
	Silk Screening Capable	X	X	Solvent inks	X	X	X	X	X	X	
	Hand Painting Capable	X	X	Solvent inks	X	X	X	X	X	X	
	Digital Printing Capable	X	X	Solvent inks	X	X	X	X	X	X	
<b>Handling</b>	Heat Sealable (w/o Seam tape)	X	X	X	X	X	X	X	X	X	
	Heat Sealable (w/seam tape)	X	X	X	X	X	X	X	X	X	
	Shrinkage cited to ASTM D1204										
	Stretch Factor Cited to ASTM D4851; CFFA 15										
	Cleaning Agents Available		X						X	X	
<b>Construction</b>	Base Fabric	Solution-dyed polyester	Solution-dyed polyester	Solution-dyed polyester	840 Denier solution-dyed polyester	Solution-dyed polyester	Solution-dyed polyester	Woven Saturamax	Woven Saturamax	100% woven solution-dyed PET from recycled plastic	
	Finish Type or Coating	C0 (Fluorine Free)DWR, Waterproof PU & FR Coating	C0 (Fluorine Free)DWR, Waterproof PU & FR Coating	C0 (DWR, Waterproof PU & FR	Fluorocarbon	Acrylic (on back side only)	HydroMax finish w/ urethane coating	HydroMax finish w/ urethane coating	Teflon Extreme	Teflon Extreme	
	Standard Put Up (Per Roll)	50 yds	50 yds	50 yards	50 yds	50 yds	50 yds	60 yds	60 yds	65 yards	
	Finished Width(s)	60 in	60 in	60 in	60 in	60 in	60 in	60 in	60 in	60 in	47 inch
	Finished Weight (Per Sq. Yd.)	9 oz	10.5 oz	8.5 oz	11.5 oz	9 oz	11.5 oz	8 oz	8.75 oz	8.8 oz	8.5 oz
<b>Support Materials</b>	Fabrication or Technical Manual	X	X	X	X	X	X	X	X	X	
	Specification Sheet Available	X	X	X	X	X	X	X	X	X	

CATEGORY		Vinyl Laminated or Coated Polyester							Vinyl Laminated or Coated Polyester, Backlight			
		WeatherChek	Patio 500	Coastline Plus	NATURA	Vanguard	COOLSHADE	Cooley-Brite II with Coolthane EPS	Cooley-Brite® II White with Coolthane® EPS 0606	Cooley-Brite® Lite	Cooley-Brite® SM42 White	Cooley-Brite®
<b>Durability</b>	<b>Trade Name of Fabric</b>	Herculite Products Inc. herculite.com	Herculite Products Inc. herculite.com	Herculite Products Inc. herculite.com	Herculite Products Inc. herculite.com	Herculite Products Inc. herculite.com	Keyston Bros./Syvder Manufacturing keystonbros.com syvdermfg.com	Cooley Group cooleygroup.com	Cooley Group cooleygroup.com	Cooley Group cooleygroup.com	Cooley Group cooleygroup.com	Cooley Group cooleygroup.com
	<b>Supplier</b>	Herculite Products Inc. herculite.com	Herculite Products Inc. herculite.com	Herculite Products Inc. herculite.com	Herculite Products Inc. herculite.com	Herculite Products Inc. herculite.com	Keyston Bros./Syvder Manufacturing keystonbros.com syvdermfg.com	Cooley Group cooleygroup.com	Cooley Group cooleygroup.com	Cooley Group cooleygroup.com	Cooley Group cooleygroup.com	Cooley Group cooleygroup.com
	<b>Warranty</b>	10 years	5 years	5 years	8 years	8 years	5 year limited warranty	10 years	10 years	8 years	8 years	8 years
	<b>Water Repellent</b>	X	X	X	X	X	X	X	X	X	X	X
	<b>CSFM Compliant</b>	X	X	X	X	X	X	X	X	X	X	X
	<b>Flame Standards Met</b>	CSFM, ASTM E84, NFPA701	CSFM, ASTM E84, NFPA701	CSFM, ASTM E84, NFPA701	CSFM, ASTM E84, NFPA701	CSFM, ASTM E84, NFPA701	ASTM-E-84, NFPA 701, CSFM	UL, NFPA 701, CSFM, ASTM E84 (Class A)	UL, NFPA 701, CSFM, ASTM E84 (Class A)	ASTM E84 (Class A), NFPA 701, CSFM, UL	NFPA 701	UL, ASTM E84 (Class A), NFPA-701, CSFM
	<b>Mildew Resistance Cited to ASTM G22</b>	X	X	X	X	X	X	X	X	X	X	X
	<b>Wick resistant</b>	X	X	X	X	X	X	X	X	X	X	X
	<b>Colors Available - Top</b>	12	32	34 solids, 3 complements, 8 stripes	10	13	22 solids	20 standard, unlimited custom	White	18 standard, unlimited custom	White	20 standard, unlimited custom
	<b>Colors Available - Underside</b>		Same as top	Solids, stripes, prints	Same as top	Same as top	Same as top	White	White	White	White	White
<b>Aesthetics</b>	<b>Opaque</b>	X	X	X	X	X		X	X	X	X	
	<b>Translucent</b>											
	<b>Backlit Capable</b>							X	X	X	X	
<b>Graphics</b>	<b>Heat Transfer Film Capable</b>	Film	Film	Film	Film	Film		Film, paints	Film, paints	Film, paints	Film, paints	
	<b>Heat Sealed Inset Graphics Capable</b>	X	X	X	X	X	X	X	X	X	X	
	<b>Sewn-In Inset Graphic Capable</b>	X	X	X	X	X	X	X	X	X	X	

<b>Graphics</b>	Eradication Capable				X					X														X
	Pressure Sensitive Vinyl Capable				X					X														X
	Silk Screening Capable				X					X														X
	Hand Painting Capable				X					X														X
<b>Handling</b>	Digital Printing Capable				Solvent inks, UV inks	X				Solvent inks, UV inks	X												Solvent inks, UV inks	
	Heat Sealable (w/o Seam tape)				X					X													X	
	Heat Sealable (w/seam tape)				X					X													X	
	Shrinkage cited to ASTM D1204				X					X													X	
<b>Construction</b>	Stretch Factor Cited to ASTM D4951; CFFA 15				X					X													X	
	Cleaning Agents Available				X					X													X	
	Base Fabric				Polyester					Polyester													Anti-wick polyester	
	Finish Type or Coating				Rain Kleen II Top Coat					Rain Kleen II Top Coat													Urethane	Acrylic
<b>Support Materials</b>	Standard Put Up (Per Roll)				50 yds					50 yds												10, 25, 50 yds	10, 25, 50 yds	10, 25, 50 yds
	Finished Width(s)				61 in					61-62 in												78 in	78 in	102, 126, 150, 196 in
	Finished Weight (Per Sq. Yd.)				175 oz					15 oz												20 oz	16 oz	20 oz
<b>Support Materials</b>	Fabrication or Technical Manual				X					X												X	X	X
	Specification Sheet Available				X					X												X	X	X

CATEGORY		Vinyl Laminated Polyester					Vinyl Mesh – Coated or Woven					
Trade Name of Fabric	Supplier	Weatherlyte® PLUS	Weatherlyte® PLUS Lite	Haven	AwnTex® 70	AwnTex® 160	RecScreen® Shade Screen	Soltis Horizon 86	Soltis Harmony 88	Soltis Perform 92	Soltis Proof W96	Soltis Proof W88
		Cooley Group cooleygroup.com	Cooley Group cooleygroup.com	Para/ Miami Corp miamicorp.com	Glen Raven Inc/ Trivantage LLC trivantage.com	Glen Raven Inc/ Trivantage LLC trivantage.com	S A Recasens recasens.com	Serge Ferrari sergeferrari.com/us	Serge Ferrari sergeferrari.com/us	Serge Ferrari sergeferrari.com/us	Serge Ferrari sergeferrari.com/us	Serge Ferrari sergeferrari.com/us
Warranty		8 years	5 years	5 years	5 years	5 years	10 years	10 years	10 years	10 years	10 years	10 years
Water Repellent		X	X	X							X	X
CSFM Compliant		X	X	X	X	X	X	X	X	X	X	X
Flame Standards Met		ASTM E 84, NFPA 701, CSFM	NFPA-701, ASTM E 84, CSFM	CalTitle 19, NFPA-701, ASTM E84	ASTM-E-84, Class A; NFPA 701-2010 TM2	ASTM-E-84, Class A; NFPA 701-2010 TM2	NFPA 701- 2004, CSFM Title 19	ASTM-E-84, Class A; NFPA-701, CSFM	ASTM-E-84, Class A; NFPA-701, CSFM	ASTM-E-84, Class A; NFPA-701, CSFM	ASTM-E-84, Class A; NFPA-701, CSFM	ASTM-E-84, Class A; NFPA-701, CSFM
Mildew Resistance Cited to ASTM G22		X	X	X			X	X	X	X	X	X
Wick resistant		X	X	X				X	X	X	X	X
Colors Available - Top		15 solids	7 solids	17 solids	7 solids	13 solids	1, 3, 5.5% openness, basket weave or twill, up to 15 colors	23	17	48	5	5
Colors Available - Underside		Color matched fabric look	7 solids	Same as top	Same as top	Same as top		Same - except 2051, 2068	Same as top	Same - except 2068, 2051, 2046, 2048, 2074	Same as top	Same as top
Opaque		X	X	X								
Translucent					X	X	X	X	X	X	X	X
Backlit Capable												
Heat Transfer Film Capable		Film, paints	Film, paints	X				Film, paints	Film, paints	Film, paints	Film, paints	Film, paints
Heat Sealed Inset Graphics Capable		X	X	X	X	X		X		X	X	X
Sewn-In Inset Graphic Capable		X	X	X	X	X		X		X	X	X

