

2021 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.
www.alnetamericas.com


Bainbridge International Inc.
www.bainbridgeintusa.com


The Americas • Asia • Europe • Middle East
Cooley Group
www.cooleygroup.com


Covin Sales & Converting
covinsales@sbcglobal.net


Ennis Fabrics
www.ennisfabrics.com


Gale Pacific
www.galecommercial.com


Glen Raven Custom Fabrics LLC
www.glenraven.com
www.sunbrella.com


Powered by Innovation • Proven by Performance
Herculite Products Inc.
www.herculite.com


Keyston Bros.
www.keystonbros.com


Marlen Textiles
www.marlentextiles.com


The Miami Corporation
www.miamicorp.com


Recasens USA
www.recasens.com


Safety Components
www.weathermax.com


thinking highTEX
Sattler Corp.
www.sattler-usa.com


Serge Ferrari
www.sergeferrari.com/us


Snyder Mfg. Inc.
www.snyderman.com


ORDER. DONE. GOOD CALL.
Trivantage LLC
www.trivantage.com


Value Vinyls
www.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 Industrial Fabrics Association International (IFAI). *Fabric Architecture* and IFAI 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	Main Street®	Starfire®	Odyssey FR	Top Gun FR	Top Gun FR Lite	Ultra Clear	Ultra Clear FR	Commercial Heavy 430	Commercial 95	Dualshade 350	Commercial Heavy 430 FR		
Supplier	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	GALE Pacific USA, Inc. galecommercial.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	15 years	10 years	10 years	12 years		
Water Repellent	X	X	X	X	X	X	X						
CSFM Compliant	X	X	X	X	X		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 19, 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	ASTM E-84 Class A	ASTM E-84 Class A	ASTM E-84 Class A	NFPA 701, CSFM Title 19 1237.1, ASTM E-84 Class A		
Mildew Resistance Cited to ASTM G22		X	X	X	X								
Wick resistant		X	X	X	X			X	X	X	X		
Colors Available - Top	8 solids	15 solids	7 solids	12 solids	12 solids	3 colors	3 colors	16	22	12	16		
Colors Available - Underside	Same as top	Same as top	Same as top	12 solids	12 solids	Same as top	Same as top						
Opaque		X		X	X								
Translucent						X	X						
Backlit Capable													
Heat Transfer Film Capable				Film, paints	Film, paints								
Heat Sealed Inset Graphics Capable		X	X	X	X	X	X						
Sewn-in Inset Graphic Capable	X	X	X	X	X	X	X						

CATEGORY	HDPE Raschel Knit			Knitted HDPE		Mesh, Coated		Mesh, Non-PVC	Monofilament High Density Polyethylene	Nylon, 100%	
	Trade Name of Fabric	Dualshade 350 FR	SolaMesh™	Alnet Extrablock	Extrablock	PCS899K	PCS1018			Tempotest StarScreen	Cordura
Supplier	Commercial 95 FR	GALE Pacific USA, Inc. galecommercial.com	Glen Raven Inc./ Trivantage LLC trivantage.com	Alnet Americas, Inc alnetamericas.com	Ennis Fabrics ennisfabrics.com	Snyder Manufacturing snyderman.com	Snyder Manufacturing snyderman.com	Para/ Miami Corp miamicorp.com	Ennis Fabrics ennisfabrics.com	Ennis Fabrics ennisfabrics.com	
	Warranty	10 years	10 years against UV degradation, loss of color is not included	10 years Nonprorated	10 years	5 years	5 years	3 years	2 years	2 years	
Durability	Water Repellent			X	X			X	X	X	
	CSFM Compliant			X	X	X	X	X	X		
Flame Standards Met		NFPA 701, CSFM Title 19 12371, ASTM E-84 Class A	ASTM-E 84, Class A	CSFM, NFPA 701 Test Method 2, ASTM E-84, CAN-ULC S109-14	NFPA 701 and CA 12371 Title 19 CSFM, CANULCS109	CSFM, ASTM E-84 A, NFPA 701	CSFM, ASTM E-84 A, NFPA 701	Cal Title 19, NFPA-701, CPAI 84, ASTM E84, Class 1 (UN) EN 9177) B1 (DIN 4102), M1	California Title 19, ASTM-E-84, NFPA-701		
	Mildew Resistance Cited to ASTM G22			X	X	X	X	X	X		
Wick resistant		X		X		X	X	X			
Colors Available - Top		22	19 solids	X	21 colors	7 plus customer Color	7 plus customer Color	17 solids and textures	15 solids	17 colors	
	Colors Available - Underside		Same as top	X	Same as top	7 plus customer Color	7 plus customer Color	Same as top	Same as top	Same as top	
Aesthetics	Opaque				X					X	
	Translucent			X		X	X	X	X		
Backlit Capable				X							
	Heat Transfer Film Capable			X		X	X	X			
Graphics	Heat Sealed Inset Graphics Capable			X		X	X	X			
	Sewn-In Inset Graphic Capable			X	X	X	X	X	X	X	

Eradication Capable																			
Pressure Sensitive Vinyl Capable																			
Silk Screening Capable				Yes, 1 to 5 years	X		X	Solvent Inks, UV Inks	X										X
Hand Painting Capable				Yes, 1 to 5 years	X		X	Solvent Inks, UV Inks	X										X
Digital Printing Capable				Yes, 6 months to 1 year	X		X	Solvent Inks, UV Inks	X										X
Heat Sealable (w/o Seam tape)				X			X												
Heat Sealable (w/seam tape)							X												
Shrinkage cited to ASTM D1204				PreShrunk															
Stretch Factor Cited to ASTM D4851; CFFA 15				1.5% to 3% both Warp & Weft															
Cleaning Agents Available				Mild Detergent/ Soap			X												
Base Fabric				100% HDPE UV inhibitor additive			X	High tenacity polyester											Polyurethane
Finish Type or Coating				heat set Knitted Shade Fabric				High tenacity polyester											Nylon
Standard Put Up (Per Roll)				118 in x 35 yds			54.67 yds	100 yd roll & Custom											50 yds
Finished Width(s)				118 in / 3m			118 in	61 in											59 in
Finished Weight (Per Sq.Yd.)				9.6 oz			9.5 oz	10 oz											15.9 oz
Fabrication or Technical Manual				X															
Specification Sheet Available				X															X

CATEGORY		PVC or PVDF/PVC Coated Polyester										
		Polyester										
Trade Name of Fabric	Defender	SPX	HSX-v	Apollo	Arctic -40	Atlas	Challenger	Ennis 1974	Hercules	Midship	Mercury	Sampson
Supplier	Ennis Fabrics ennisfabrics.com	Bainbridge International bainbridgeintlusa.com	Bainbridge International bainbridgeintlusa.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	Ennis Fabrics ennisfabrics.com	Ennis Fabrics ennisfabrics.com	Ennis Fabrics ennisfabrics.com
Warranty	2 years			2 years	2 years	2 years	3 years	10 years	2 years	2 years	2 years	2 years
Water Repellent	X	Yes	X	X	X	X	X	X	X	X	X	X
CSFM Compliant								X				
Flame Standards Met				En-1176-10 Playground Equipment Surfaces, En 1021-1 Cigarette test, Match Lighting	Motor Vehicle Safety Standard 302., California Bulletin 117-Section E	Motor Vehicle Safety Standard 302, Motor Vehicle Safety Standard 302	CALTB117-2013, IMO FTP Code 2010 - Part 8, MVSS302, NFPA 260 Class 1, UFAC Class 1	NFPA-701 Large Scale & CAN/UIC S109		UFAC Class 1, NFPA 260 Class 1, California Bulletin 117-Section E	En-1176-10 Playground Equipment Surfaces, En 1021-1 Cigarette test, Match lighting	NFPA-701 Large Scale & Motor Vehicle Safety Standard 302 & CPAI-84
Mildew Resistance Cited to ASTM G22				X		X	X - ASTM1428	X	X	X - ASTM1428	X	X
Wick resistant		X										
Colors Available - Top	13 colors	X	X	9 colors	1 color	5 colors	40 Colors	18 colors	7 colors	27 colors	14 colors	12 colors
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	Same as top
Aesthetics				X				X	X	X	X	X
Opaque												
Translucent		X	X									
Backlit Capable		X	X									
Heat Transfer Film Capable								X				
Heat Sealed Inset Graphics Capable				X	X	X	X	X	X	X	X	X
Graphics												
Sewn-In Inset Graphic Capable	X	X	X	X	X	X	X	X	X	X	X	X

CATEGORY		PVC or PVDF/PVC Coated Polyester											PVC Coated
		Trade Name of Fabric	Arcade FR	LAC 650 SL	745 FR	745 Evolution	Solitis Proof 502	Flexflight Xtrem TX30 Type 2	Soluna	Structure Tec 18	Structure Tec Event 18	Structure Tec 20 Blockout	
Supplier	Glen Raven Inc./ Trivantage LLC	Glen Raven Inc./ Trivantage LLC	Glen Raven Inc./ Trivantage LLC	Sattler Corp/ Bainbridge USA, Keystone Brothers, Maurtizon, SK&F Sign Supply	Sattler Corp/ Bainbridge USA, Keystone Brothers, & Veteran Co	Serge Ferrari North America	Serge Ferrari North America	Value Vinyls	Value Vinyls	Value Vinyls	Value Vinyls	Value Vinyls	Covin Sales & Converting
	trivantage.com	trivantage.com	trivantage.com	Sign Supply	Keystone Brothers, & Veteran Co	sergeferri.com	sergeferri.com	valuevinyls.com	valuevinyls.com	valuevinyls.com	valuevinyls.com	valuevinyls.com	covinsales.com
	5 years	5 years	10 years	10 years	10 years	10 years awnings, 5 years other	20 years	5 years			5 years	5 years	5 years
	X	X	X	X	X	X	X	X	X	X	X	X	X
Durability	Warranty	X	X	X	X	X	X	X	X	X	X	X	X
	Water Repellent	X	X	X	X	X	X	X	X	X	X	X	X
	CSFM Compliant	X	X	X	X	X	X	X	X	X	X	X	X
	Flame Standards Met	ASTM-E-84, Class A; NFPA 701-2010TM2	ASTM-E-84, Class A; NFPA 701-2010TM2	NFPA 701, ASTM E 84, CAT-19	NFPA 701, ASTM E 84, S109, NFPA 701, CSFM	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
Aesthetics	Mildew Resistance Cited to ASTM G22												
	Wick resistant												
	Colors Available - Top	16 solids	15 solids	11	20	40	White	11 solids	White	White	White	White	40
	Colors Available - Underside	Same as top	Same as top	Same as top	Same	Same as top	White	Same as top	White	White	White	White	Same as top
Graphics	Opaque			1	1							X	
	Translucent			10	20	X	X	X	X	X			X
	Backlit Capable			10	20								
	Heat Transfer Film Capable			X	X	Film, paints							Film, inks
Graphics	Heat Sealed Inset Graphics Capable	X	X	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	X

CATEGORY	PVC Laminated	Solution Dyed Acrylic or PVC				Solution Dyed Acrylic									
		Sundown	Sundown	Sundown	Firemaster 47	Dickson® Orchestra North American Collection	Sunbrella®	Sunbrella® Decorative Shade	Sunbrella® Inkjet/White	Sunbrella® Mayfield Collection®	Sunbrella® Mayfield Collection®				
Trade Name of Fabric	Ultra														
Supplier	Snyder Manufacturing snyderman.com	Covin Sales & Converting covinsales.com	Covin Sales & Converting covinsales.com	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				
Warranty	5 years	10 years	10 years	5 years	5 years	10 years, limited	10 years, limited	3 years	10 years, limited	10 years, limited					
Water Repellent	X	X	X		X		X	X	X	X					X
CSFM Compliant	X				X										
Flame Standards Met	CSFM, ASTM E-84 A, NFPA 701			CATB117- Class 1	NFPA 701, ASTM E 84										
Mildew Resistance Cited to ASTM G22	X	X	X	X			X	X							
Wick resistant	X	X	X												
Colors Available - Top	17 plus Custom Color Match	98 solids, 104 stripes in 47 in	49 solids in 60 in	8 colors	15	60 solids, 51 stripes, 9 jacquards	63 solids, 23 textures, 60 stripes, 12 decorative patterns	1	20 stripes, 4 solids	7 solids					
Colors Available - Underside	17 plus Custom Color Match	Same as top		Same as top	10	Same as top	Same as top		Same as top	Same as top					
Opaque	X	X		X			X								
Translucent	X	X	X					X							
Backlit Capable															
Heat Transfer Film Capable	X			Film	X	Film	Film		Film	Film					
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

CATEGORY	Solution Dyed Acrylic								Solution Dyed Acrylic, Backcoated		Solution Dyed Acrylic, Vinyl Backcoated		Solution Dyed Polyester	
	Trade Name of Fabric	60" Solids	Big Sur 60" Stripes	Elements 47"	Lumera & Lumera 3D	Recacril®	Tempotest	Tempotest Coated	RecSystem	RecWater	Solar Shade	Solar Shade FR		
Supplier	Sunbrella® Unity Glen Raven Custom Fabrics glenraven.com sunbrella.com	Sattler Corp sattler-usa.com	Sattler Corp sattler-usa.com	Sattler Corp sattler-usa.com	Sattler Corp sattler-usa.com	SA Recasens recasens.com	Para / Miami Corp miamicorp.com	Para / Miami Corp miamicorp.com	SA Recasens recasens.com	SA Recasens recasens.com	Ennis Fabrics ennisfabrics.com	Ennis Fabrics ennisfabrics.com		
Warranty	5 years	10 years	10 years	10 years	10 years	10 years	10 years	10 years	5 years	5 years	8 years	8 years		
Water Repellent	X	X	X	X	Water Repellent	X	X	X	X	X	X	X		
CSFM Compliant														
Flame Standards Met												NFPA701, CANULCS109, California Bulletin 117-Section E, Motor vehicle safety standard 302		
Mildew Resistance Cited to ASTM G22						X	X	X	X	X - ASTM1428	X - ASTM1428	X - ASTM1428		
Wick resistant							X	X			X	X		
Colors Available - Top	5 solids	36	6	101	51	74 solids, 60 stripes	89 stripe / 79 solids / 46 textures	15 solids	20 solids, stripes special order	14 solids	12 Colors	8 Colors		
Colors Available - Underside		Same as top	Same as top	Same as top	Same as top	Same as top	Same as top	Tinted coating to match top	Clear acrylic backcoat	Pigmented vinyl backcoat	Same as top	Same as top		
Opaque	X				-	X	X	X		X	X	X		
Translucent		Depends on color	Depends on color	Depends on color	Depends on color									
Backlit Capable		Depends on color	Depends on color	Depends on color	Depends on color									
Heat Transfer Film Capable	Film, paints	X	X	X	X	X	X	X						
Heat Sealed Inset Graphics Capable		X	X	X	X	X	X	X						
Sewn-In Inset Graphic Capable	X	X	X	X	X	X	X	X			X	X		

CATEGORY		Solution Dyed Polyester						Solution Dyed Polymer		Solution Dyed Woven FR Polyester		Vinyl Laminated or Coated Polyester	
Trade Name of Fabric	Supplier	Solar Shade PU FR	Atlantis	Top Notch	Top Notch 9	Top Notch FR	WeatherMAX® 80	WeatherMAX® FR	Firesist®	Tempotest Starlight FR	Weather-Chek	Patio 500	
Durability	Warranty	8 years	5 years	8 years	8 years	8 years	10 years	5 years	5 years	5 years	10 years	5 years	
	Water Repellent	X	X	X	X	X	X	X	X	X	X	X	
	CSFM Compliant					X	X	X	X	X	X	X	
	Flame Standards Met	NFPA701, CANULCS109, California Bulletin 117-Section E, Motor vehicle safety standard 302	ENIS17-2013, ASTM-E84, MVSS-302, UFAC Class 1, NFPA 260, NFPA 701, CAN/ULC-S109, CPAI84	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 sunbrella.com	Para / Miami Corp miamicorp.com	Herculite Products Inc. herculite.com	Herculite Products Inc. herculite.com	
	Mildew Resistance Cited to ASTM G22	X - ASTM1428	X - ASTM1428	X	X	X	X	X	Cal Title 19, NFPA-701, CPAI 84, FMVSS 302, FAA 25.833, UFAC U.F.1, ULCS-109	Cal Title 19, NFPA-701, CPAI 84, ASTM E84, Class 1 (UNI EN 9177), MVSS 302	X	X	X
	Wick resistant	X	X	X	X	X	X	X	X	X	X	X	
	Colors Available - Top	8 Colors	11 Colors	12	13	10	20 solids, 2 tweeds, 2 linens	14 solids	16 solids	14 solids	12	31	
	Colors Available - Underside	Same as top	Same as top	12	13	10	Same as top	Same as top	Coated underside	Same as top		Same as top	
	Aesthetics	Opaque	X	X	X	X	X	X	X	X	X	X	X
		Translucent				X	X						
Backlit Capable									X				
Graphics	Heat Transfer Film Capable			Film, paints	Film, paints	Film, paints	Film, paints	Film, paints	Film	X	Film	Film	
	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	X	X	

Graphics	Eradication Capable	X	X	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	
	Pressure Sensitive Vinyl Capable	X	X	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	
	Silk Screening Capable	X	X	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	
	Hand Painting Capable	X	X	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	
	Digital Printing Capable	X	X	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	
Handling	Heat Sealable (w/o Seam tape)	X	X	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	
	Heat Sealable (w/seam tape)	X	X	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	
	Shrinkage cited to ASTM D1204	X	X	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	
	Stretch Factor Cited to ASTM D4851; CFFA 15	X	X	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	
	Cleaning Agents Available	X	X	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	Solvent inks, UV inks	
Construction	Base Fabric	X	X	Solution-dyed polyester	Solution-dyed polyester	Solution-dyed polyester	Solution-dyed polyester	Solution-dyed polyester	Solution-dyed polyester	Solution-dyed polyester	Solution-dyed polyester	Solution-dyed polyester	Solution-dyed polyester	Solution-dyed polyester	Solution-dyed polyester	Solution-dyed polyester	Solution-dyed polyester	Solution-dyed polyester	Solution-dyed polyester	
	Finish Type or Coating	X	X	C0 (Fluorine Free) DWR, Waterproof PU & FR Coating	C0 (Fluorine Free) DWR, Waterproof PU & FR Coating	C0 (Fluorine Free) DWR, Waterproof PU & FR Coating	C0 (Fluorine Free) DWR, Waterproof PU & FR Coating	C0 (Fluorine Free) DWR, Waterproof PU & FR Coating	C0 (Fluorine Free) DWR, Waterproof PU & FR Coating	C0 (Fluorine Free) DWR, Waterproof PU & FR Coating	C0 (Fluorine Free) DWR, Waterproof PU & FR Coating	C0 (Fluorine Free) DWR, Waterproof PU & FR Coating	C0 (Fluorine Free) DWR, Waterproof PU & FR Coating	C0 (Fluorine Free) DWR, Waterproof PU & FR Coating	C0 (Fluorine Free) DWR, Waterproof PU & FR Coating	C0 (Fluorine Free) DWR, Waterproof PU & FR Coating	C0 (Fluorine Free) DWR, Waterproof PU & FR Coating	C0 (Fluorine Free) DWR, Waterproof PU & FR Coating	C0 (Fluorine Free) DWR, Waterproof PU & FR Coating	
	Standard Put Up (Per Roll)	50 yds	50 yds	50 yards	50 yds	50 yds	50 yds	50 yds	50 yds	50 yds	50 yds	50 yds	50 yds	50 yds	50 yds	50 yds	50 yds	50 yds	50 yds	
	Finished Width(s)	60 in	60 in	60 in	60 in	60 in	60 in	60 in	60 in	60 in	60 in	60 in	60 in	60 in	60 in	60 in	60 in	60 in	60 in	60 in
	Finished Weight (Per Sq. Yd.)	10.5 oz	11.5 oz	8.5 oz	11.5 oz	9 oz	11.5 oz	9 oz	11.5 oz	9 oz	11.5 oz	9 oz	11.5 oz	9 oz	11.5 oz	9 oz	11.5 oz	9 oz	11.5 oz	9 oz
Support Materials	Fabrication or Technical Manual	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
	Specification Sheet Available	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	

CATEGORY		Vinyl Laminated or Coated Polyester						Vinyl Laminated or Coated Polyester, Backlight					
		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®	Eradi-Lite®	Nite-Lite®	
Trade Name of Fabric	Supplier	Herculite Products Inc. herculite.com	Herculite Products Inc. herculite.com	Herculite Products Inc. herculite.com	Keyston Bros./Snyder Manufacturing keystonbros.com snyderman.com	Cooley Group cooleygroup.com	Cooley Group cooleygroup.com	Cooley Group cooleygroup.com	Cooley Group cooleygroup.com	Cooley Group cooleygroup.com	Glen Raven Inc./Trivantage LLC trivantage.com	Glen Raven Inc./Trivantage LLC trivantage.com	
Durability	Warranty	5 years	8 years	8 years	5 year limited warranty	10 years	10 years	8 years	8 years	8 years	8 years, limited, 5 years Desert SW USA	8 years, limited	
	Water Repellent	X	X	X	X	X	X	X	X	X	X	X	
	CSFM Compliant	X	X	X	X	X	X	X	X	X	X	X	
	Flame Standards Met	ASTM E 84, Class A, NFPA 701	NFPA 701, ASTM E-84 Class A, M2	NFPA 701, ASTM E84, Class A	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	ASTM-E-84, Class A; NFPA 701-2010TM2	ASTM-E-84, Class A; NFPA 701-2010TM2	
Mildew Resistance Cited to ASTM G22	X	X	X		X	X	X	X	X				
Wick resistant	X	X	X	X	X	X	X	X	X				
Colors Available - Top	Colors Available - Top	35 solids, 6 complements, 8 stripes	10	13	22 solids	20 standard, unlimited custom	White	White	White	20 standard, unlimited custom	12 solids	11 solids	
	Colors Available - Underside	Solids, stripes, prints	Same as top	Same as top	Same as top	White	White	White	White	White	White	White	
Aesthetics	Opaque	X	X	X		X	X	X	X	X			
	Translucent										X	X	
	Backlit Capable					X	X	X	X	X	X	X	
Graphics	Heat Transfer Film Capable	Film	Film	Film		Film, paints	Film, paints	Film, paints	Film, paints	Film, paints	Film	Film	
	Heat Sealed Inset Graphics Capable	X	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	

Graphics	Eradication Capable									X	X	X							X
	Pressure Sensitive Vinyl Capable										X	X							X
	Silk Screening Capable									X	X	X							X
	Hand Painting Capable									X	X	X							X
Handling	Digital Printing Capable								Solvent inks, UV inks	X	X	X	Solvent inks, UV inks	X	X	X	Solvent inks, UV inks		
	Heat Sealable (w/o Seam tape)									X	X	X		X	X	X			X
	Heat Sealable (w/seam tape)									X	X	X		X	X	X			
	Shrinkage cited to ASTM D1204									X	X	X		X	X	X			
Construction	Stretch Factor Cited to ASTM D4851; CFFA 15									X	X	X		X	X	X			
	Cleaning Agents Available									X	X	X		X	X	X			X
	Base Fabric									X	X	X	Polyester	Anti-wick polyester	Anti-wick polyester	Anti-wick polyester	Acrylic	Acrylic	Woven polyester mesh
	Finish Type or Coating									X	X	X	Polyester	Urethane	Urethane	Acrylic	Acrylic	Eradicable coating	Vinyl laminate, acrylic top coat
Support Materials	Standard Put Up (Per Roll)									50 yds	50 yds	50 yds	50 yds	10, 25, 50 yds	10, 25, 50 yds	10, 25, 50 yds	30 yds	40 yds	
	Finished Width(s)									60 in	60 in	61 in	61-62 in	78 in	78 in	78 in	78 in	78 in	61 in
	Finished Weight (Per Sq. Yd.)									18 oz	18 oz	18 oz	17 oz	20 oz	20 oz	20 oz	17 oz	16 oz	16 oz
Support Materials	Fabrication or Technical Manual								X	X	X	X	X	X	X	X	X	X	X
	Specification Sheet Available								X	X	X	X	X	X	X	X	X	X	X

CATEGORY		Vinyl Laminated Polyester					Vinyl Mesh – Coated or Woven				
		Weatheryte® PLUS	Weatheryte® PLUS Lite	Heaven	AwnTex® 70	AwnTex® 160	RecScreen® Shade Screen	Soltis Horizon 86	Soltis Harmony 88	Soltis Perform 92	Soltis Proof W96
Trade Name of Fabric	Supplier	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 North America sergeferrari.com/us	Serge Ferrari North America sergeferrari.com/us	Serge Ferrari North America sergeferrari.com/us	Serge Ferrari North America sergeferrari.com/us
	Warranty	8 years	5 years	5 years	5 years	5 years	10 years	5 years	5 years	5 years	5 years
Durability	Water Repellent	X	X	X						X	X
	CSFM Compliant	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	Cal Title 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
	Mildew Resistance Cited to ASTM G22	X	X	X			X	X	X	X	X
	Wick resistant	X	X	X				X	X	X	X
Aesthetics	Colors Available - Top	15 solids	7 solids	17 solids	7 solids	18 solids	1, 3, 5, 5% openness - basket weave or twill, up to 15 colors	23	17	48	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
Graphics	Opaque	X	X	X							
	Translucent				X	X	X	X	X	X	X
	Backlit Capable										
Graphics	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
	Sewn-In Inset Graphic Capable	X	X	X	X	X		X		X	X

Graphics	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, UV inks		
Handling	Heat Sealable (w/o Seam tape)	X																		X		
	Heat Sealable (w/seam tape)	X																		X		
	Shrinkage cited to ASTM D1204	X																				
	Stretch Factor Cited to ASTM D4951; CFFA 15	X																				
	Cleaning Agents Available	X																		X		
	Base Fabric	Anti-wick polyester	Anti-wick polyester	Top coat acrylic	Polyester	Polyester	Woven polyester mesh	Polyester	Polyester												X	
	Finish Type or Coating	Top coat acrylic	Top coat acrylic		Polyvinyl chloride	Vinyl encapsulated yarn	Vinyl encapsulated yarn															X
Construction	Standard Put Up (Per Roll)	50 yds	50 yds	50 yds	50 yds	Approx. 30 yds	30 yds	27 yds	43 yds or 54 yds	44 yds or 54 yds	45 yds or 54 yds	38 yds										
	Finished Width(s)	54, 60, 74 in	60, 74 in	61 in	18 oz	60 in	60 in, 3 available in 98 in	118 in	69 in, 105 in	69 in, 105 in	69 in, 105 in	105 in										
	Finished Weight (Per Sq. Yd.)	16 oz	11 oz	18 oz	11.7 oz	14.3 oz	14.75, 15.17, 17.84 oz	9.8 oz	112 oz	12.4 oz	18.3 oz											
	Fabrication or Technical Manual		X	X	X	X	X	X	X	X	X	X	X	X								X
		Specification Sheet Available	X	X	X	X	X	X	X	X	X	X	X	X								X