



Sun Control Textiles™

Product Specifications Sheet

Avila Twilight™

Fire rated for residential applications

Specifications

Product Category: Privacy	Composition: 37.5% polyester / 62.5% acrylic
Openness Factor: 0%	Standard Packaging: Rolls of 30 ly (27 lm)
UV Blockage: Approximately 100%	Width: 118" (300 cm)
Fabric Style: Blackout	Weight: 12.24 oz / yd2 (415 g / m2) ± 10%
Item #: 063328	Thickness: 0.018" (0.46 mm) ± 10%



Fenestration Data

Color#	Color Name	Side*	Fabric Properties			Fabric & Glass		Illuminance		
			Thermal		Optical		SHGC	Blackout %	Glow %	
			Total Solar			Rv (%)				Tv (%)
Rs (%)	As (%)	Ts (%)								
000002	White	street	68	32	0	74	0	0.25	99	1
		room	84	16	0	91	0	0.15	99	1
000017	Canvas	street	69	31	0	74	0	0.25	94	6
		room	75	25	0	79	0	0.22	94	6
000020	Linen	street	68	32	0	74	0	0.25	99	1
		room	59	41	0	61	0	0.31	99	1
000016	Chalk	street	68	32	0	74	0	0.25	98	2
		room	65	35	0	69	0	0.27	98	2
000012	Frost	street	69	31	0	76	0	0.24	99	1
		room	57	43	0	62	0	0.31	99	1
000018	Ash	street	69	31	0	76	0	0.24	100	0
		room	33	67	0	37	0	0.44	100	0
000001	Pewter	street	67	33	0	74	0	0.25	100	0
		room	18	82	0	19	0	0.51	100	0
000050	Graphite	street	68	32	0	76	0	0.25	100	0
		room	7	93	0	8	0	0.55	100	0
000060	Black	street	68	32	0	74	0	0.25	100	0
		room	4	96	0	4	0	0.57	100	0

*Room side: identified by the fabric side; Street side: identified by the coated side

Fabric properties may vary from the values reported due to standard variations in the manufacturing process. The fabric performance tests were conducted in accordance with ASTM E891 & ASTM E903-96: Total Solar Transmittance (Ts), Total Solar Reflectance (Rs), Solar Reflectance in Infrared (Rs IR), Total Solar Absorptance (As), Visible Reflectance (Rv), and Visible Transmission (Tv). Glass performance tests for Solar Heat Gain Coefficient (SHGC) were conducted using the Lawrence Berkeley National Laboratory Window 7.3 NFRC certified software. SHGC % improvement for commercial applications is based on a standard commercial glass makeup of Double Glazing 6 mm / 1/2" air / 6 mm with low E on surface #2. SHGC for residential applications is based on a default residential glass makeup of 3mm clear glass / 1/2" air / 3mm clear glass. Results for SHGC were obtained using the center of glass. Acoustical performance was tested in accordance with ASTM C423-09a: NRC is Noise Reduction Coefficient, SAA is Sound Absorption Average. For up-to-date test results, performance specifications and larger samples, contact Mermet at info@mermetusa.com.

Fabrication Methods:

Cutting: cold, ultrasonic or crush
Welding: heat impulse, high-frequency. For exception weld bond strength, Mermet highly recommends our stocked adhesive film tape (Item # 103218).

Fire Classifications:

ASTM E 84 (Class B)
California Technical Bulletin #117

Bacterial Resistance:

ASTM E2180

Environmental Benefits:

RoHS - Lead Free

Acoustical Performance:

NRC: 0.05, SAA: 0.03

We recommend testing all cutting and welding methods prior to use to confirm they meet your individual fabrication specifications.

Care & Handling

Remove dust with vacuum cleaner or compressed air. Do not scrub. Do not use solvents or any abrasive substance which might damage the coating of the fabric. The front side of Avila is treated with DURAGUARD® Fabric Protector and can therefore be spot cleaned by gently blotting with a sponge or soft brush dipped in lukewarm soapy water using a mild detergent. The foam coating on the back side should not get wet. A dry chemical sponge or clean white pencil eraser can be used to remove small stains.

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