



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:	13.33 oz / yd2 (452 g / m2) ± 5%
Item #:	063328	Thickness:	0.020" (0.57 mm) ± 5%

Fenestration Data

			Fabric Properties					Fabric & Glass	Illuminance	
			Thermal			Optical				
Color#	Color Name	Side	Rs	As	Ts	Rv	Tv	SHGC	Blackout %	Glow %
000002	White	room	84	16	0	91	0		100%	0%
		street	68	32	0	74	0	0.25	100%	0%
000016	Chalk	room	65	35	0	69	0		100%	0%
		street	68	32	0	74	0	0.25	100%	0%
000017	Canvas	room	75	25	0	79	0		98%	2%
		street	69	31	0	74	0	0.25	98%	2%
000020	Linen	room	59	41	0	61	0		100%	0%
		street	68	32	0	74	0	0.25	100%	0%
C00015	Khaki	room	38	62	0	41	0		100%	0%
		street	69	31	0	74	0	0.25	100%	0%
000014	Marine	room	46	54	0	28	0		100%	0%
		street	68	32	0	74	0	0.25	100%	0%
000001	Pewter	room	18	82	0	19	0		100%	0%
		street	67	33	0	74	0	0.25	100%	0%
000030	Charcoal	room	40	60	0	15	0		100%	0%
		street	68	32	0	74	0	0.25	100%	0%
000060	Black	room	4	96	0	4	0		100%	0%
		street	68	32	0	74	0	0.25	100%	0%

The fabric performance tests were conducted in accordance with ASTM E891 & ASTM E903-96: Solar Transmittance (Ts), Solar Reflectance (Rs), 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 and 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 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 the Mermet Technical Department at: www.mermetusa.com.

Fabrication Methods:

Cutting: cold, ultrasonic or crush

Welding: heat impulse, high-frequency. For exceptional weld bond strength, Mermet recommends our stocked adhesive film tape (item # 103218).

Fire Classifications:

ASTM E 84 (Class B)

California Technical Bulletin #117

Bacterial and Fungal Resistance:

ASTM E2180, ASTM G21

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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