



Sun Control Textiles™

Product Specifications Sheet

Avila Daylight™

Fire rated for residential applications

Specifications



Product Category:	Privacy	Composition:	100% polyester
Openness Factor:	< 1%	Standard Packaging:	Rolls of 30 ly (27 lm)
UV Blockage:	Approximately 99%	Width:	118" (300 cm)
Fabric Style:	Plain Weave	Weight:	6.20 oz / yd ² (210 g / m ²) ± 10%
Item #:	D63328	Thickness:	0.012" (0.31 mm) ± 10%

Fenestration Data

Color#	Color Name	Fabric Properties			Fabric & Glass		Illuminance		
		Thermal			Optical		SHGC	Blackout %	Glow %
		Total Solar			Rv (%)	Tv (%)			
Rs (%)	As (%)	Ts (%)							
000002	White	59	5	36	65	35	0.38	0	100
000017	Canvas	51	9	40	54	39	0.42	0	100
000020	Linen	44	22	34	45	31	0.45	0	100
000016	Chalk	48	15	37	50	36	0.43	0	100
000012	Frost	45	22	33	46	31	0.44	0	100

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: ultrasonic recommended
 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 A)
 California Technical Bulletin #117

Bacterial & 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 fabric is very delicate and should be handled very carefully during the fabrication and installation process to avoid wrinkling or creasing of the material.

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