MERMET
Sun Control Textiles™

Product Specifications Sheet

Vienne 5%

Specifications

Product Category: Conventional
Openness Factor: 5%
UV Blockage: Approximately 95%
Fabric Style: Plain Weave
Item #: 001805

Composition: 42% fiberglass / 58% vinyl
Standard Packaging: Rolls of 30 ly (27 lm)
Width: 98" (250 cm), 122" (310 cm)*
Weight: 11.83 oz / yd2 (401 g / m2) ± 5%
Thickness: 0.018" (0.46 mm) ± 5%

Fenestration Data

		Fabric Properties					Fabric & Glass			
		Thermal			*Optical*		*Commercial*		*Residential*	
Color#	Color Name	Total Solar			Rv (%)	Tv (%)	SHGC % Improvement		SHGC	
		Rs (%)	As (%)	Ts (%)			Interior	Exterior	Interior	Exterior
902920	White/Linen	65	17	18	69	15	50	79	0.33	0.16
902902	White/White	73	8	19	78	17	55	76	0.29	0.16
902907	White/Pearl	55	33	12	59	10	42	84	0.38	0.12
961901	Cocoa/Grey	12	82	6	12	6	16	84	0.61	0.11
961923	Cocoa/Straw	21	73	6	23	6	21	84	0.56	0.10
961961	Cocoa/Cocoa	8	86	6	8	6	13	84	0.63	0.11
930961	Charcoal/Cocoa	6	87	7	6	7	16	79	0.58	0.14
930930	Charcoal/Charcoal	5	89	6	5	7	13	82	0.64	0.11

*122" (310 cm) available in select colors-Charcoal/Charcoal (930930) & Charcoal/Cocoa (930961). Roll length of this width is 30 ly (27 lm).

The fabric performance tests were conducted in accordance with ASTM E891 & ASTM E903-96: Total Solar Transmittance (Ts), Total Solar Reflectance (Rs), 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 / ½" 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. 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: radio frequency, high frequency, impulse, hot air, wedge

Fire Classifications:
NFPA 701-10 TM#1, California U.S. Title 19
CAN/ULC-S109-03 Small & Large Flame Test

Bacterial and Fungal Resistance:
ASTM E2180, ASTM G21

Environmental Benefits:
RoHS - Lead Free

Acoustical Performance:
NRC: 0.10, SAA: 0.13

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. Clean with a sponge or a soft brush dipped in soapy water using mild detergent. Rinse with clean water. Leave the blind down until completely dry. You can also very gently rub the fabric with a clean white pencil eraser to remove small stains.

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