



Sun Control Textiles™

Product Specifications Sheet

M Screen™ 1%

Specifications

Product Category: Conventional
Openness Factor: 1%
UV Blockage: Approximately 99%
Fabric Style: Rib Weave
Item #: 008501

Composition: 36% fiberglass / 64% vinyl
Standard Packaging: Rolls of 34 ly (31 lm)
Width: 98" (250 cm), 122" (310 cm)
Weight: 13.12 oz / yd2 (445 g / m2) ± 5%
Thickness: 0.022" (0.56 mm) ± 5%

Fenestration Data

Color#	Color Name	Fabric Properties					Fabric & Glass			
		Thermal			Optical		Commercial		Residential	
		Total Solar			Rv (%)	Tv (%)	SHGC % Improvement		SHGC	
		Rs (%)	As (%)	Ts (%)			Interior	Exterior	Interior	Exterior
030071	Charcoal/Apricot	11	86	3	11	2	18	82	0.55	0.11
002002	White/White	76	9	15	81	12	63	82	0.24	0.13
002007	White/Pearl	59	32	9	64	7	50	84	0.32	0.10
007020	Pearl/Linen	36	56	8	38	5	34	82	0.44	0.12
007007	Pearl/Pearl	32	63	5	34	4	26	84	0.45	0.11
030001	Charcoal/Grey	7	91	2	7	2	18	82	0.56	0.12
030030	Charcoal/Charcoal	4	95	1	4	1	16	82	0.57	0.11
002022	White/Stone	67	15	18	71	16	55	76	0.30	0.16
002020	White/Linen	67	18	15	72	12	55	79	0.29	0.14
020022	Linen/Stone	50	29	21	53	18	42	71	0.39	0.19
00M166	Linen/Sable-Cocoa	39	50	11	41	9	37	79	0.43	0.14
030010	Charcoal/Sable	10	87	3	10	2	18	82	0.55	0.12
030061	Charcoal/Cocoa	5	93	2	5	2	16	82	0.57	0.12

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 7.7 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 C423-17a: 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: Crush, cold, or ultrasonic

Welding: Fabric welds without tape.

225-275°F. 5-10s.

Radio frequency, impulse, hot air, or wedge

Fire Classifications:

NFPA 701-19 TM#1, California U.S. Title 19

CAN/ULC-S109-14 Small Flame Test

Bacterial and Fungal Resistance:

ASTM E2180, ASTM G21

Environmental Benefits:

RoHS - Lead Free

GREENGUARD Gold

Acoustical Performance:

NRC: 0.50, SAA: 0.47

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

Care & Handling

Remove dust with a soft duster, cloth, sponge, vacuum cleaner, or compressed air. Do not scrub. Do not use solvents or any abrasive substance which might damage the coating of the fabric. For minor stains clean with a soft cloth, sponge, or soft brush dipped in lukewarm soapy water using mild detergent. Rinse with clean water. Leave the blind down until completely dry. For tougher stains and disinfecting instructions visit www.MermetUSA.com.

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