



Sun Control Textiles™

Product Specifications Sheet

E Screen Deco™ 1%

Specifications

Product Category: Decorative	Composition: 36% fiberglass / 64% vinyl
Openness Factor: 1%	Standard Packaging: Rolls of 34 ly (31 lm)
UV Blockage: Approximately 99%	Width: 122" (310 cm)
Fabric Style: Basketweave	Weight: 12.30 oz / yd2 (416 g / m2) ± 5%
Item #: 007551	Thickness: 0.022" (0.55 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		
A00BAL	Balsa	73	13	14	78	13	60	80	0.26	0.13
A00BIR	Birch	69	18	13	73	10	57	82	0.28	0.12
A00ASP	Aspen	58	32	10	63	7	50	84	0.33	0.11
A00MAG	Magnolia	57	35	8	63	6	50	87	0.33	0.10
A00POP	Poplar	48	43	9	51	7	42	84	0.38	0.11
A00ELM	Elm	36	58	6	38	4	34	84	0.44	0.11
A00WIL	Willow	35	61	4	38	3	34	84	0.44	0.10
A00CED	Cedar	21	75	4	22	3	26	84	0.50	0.11
A00MAH	Mahogany	8	90	2	8	2	18	81	0.57	0.12
A00EBO	Ebony	5	93	2	5	2	17	81	0.58	0.12

Fabric properties may vary from the values reported due to standard variations in the manufacturing process. The fabric fenestration testing was conducted in accordance with ASTM G173 & ASTM E903: 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 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: 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.

200-300°F. 5-10s.

Radio frequency, impulse, hot air, or wedge

Railroadable: Mermet recommends customer specific testing.

Fire Classifications:

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

CAN/ULC-S109

Bacterial and Fungal Resistance:

ASTM E2180, ASTM G21

Environmental Benefits:

RoHS - Lead Free

GREENGUARD Gold

Acoustical Performance:

NRC: 0.50, SAA: 0.49

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.

5970 N. Main Street • Cowpens, SC 29330

Sales Department: Ph (866) 902-9647

info@MermetUSA.com





Sun Control Textiles™

Product Specifications Sheet

E Screen Deco™ 3%

Specifications

Product Category: Decorative	Composition: 36% fiberglass / 64% vinyl
Openness Factor: 3%	Standard Packaging: Rolls of 34 ly (31 lm)
UV Blockage: Approximately 97%	Width: 122" (310 cm)
Fabric Style: Basketweave	Weight: 11.50 oz / yd2 (390 g / m2) ± 5%
Item #: 007553	Thickness: 0.019" (0.49 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		
A00BAL	Balsa	70	13	17	74	19	56	74	0.29	0.16
A00BIR	Birch	65	19	16	69	13	54	79	0.30	0.14
A00ASP	Aspen	52	35	13	57	11	45	82	0.37	0.13
A00MAG	Magnolia	51	39	10	57	9	45	82	0.37	0.12
A00POP	Poplar	44	45	11	48	9	39	82	0.41	0.13
A00ELM	Elm	35	55	10	37	8	34	82	0.45	0.13
A00WIL	Willow	35	58	7	38	6	34	82	0.45	0.11
A00CED	Cedar	23	71	6	25	5	26	82	0.50	0.12
A00MAH	Mahogany	9	85	6	9	5	18	79	0.57	0.14
A00EBO	Ebony	5	90	5	5	5	16	78	0.58	0.14

Fabric properties may vary from the values reported due to standard variations in the manufacturing process. The fabric fenestration testing was conducted in accordance with ASTM G173 & ASTM E903: 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 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: 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.

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CAN/ULC-S109

Bacterial and Fungal Resistance:

ASTM E2180, ASTM G21

Environmental Benefits:

RoHS - Lead Free

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Acoustical Performance:

NRC: 0.15, SAA: 0.13

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