



Sun Control Textiles™

Product Specifications Sheet

E Screen Deco™ 1%

Specifications

Product Category: Decorative
Openness Factor: 1%
UV Blockage: Approximately 99%
Fabric Style: Basketweave
Item #: 007551

Composition: 36% fiberglass / 64% vinyl
Standard Packaging: Rolls of 34 ly (31 lm)
Width: 98" (250 cm), 122" (310 cm)
Weight: 12.30 oz / yd² (416 g / m²) ± 5%
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		
000CYP	Cypress	54	36	10	59	8	47	84	0.35	0.11
000POP	Poplar	48	43	9	51	7	42	84	0.38	0.11
000CED	Cedar	21	75	4	22	3	26	84	0.50	0.11
000SYC	Sycamore	23	74	3	23	2	26	84	0.49	0.10
000MAP	Maple	17	79	4	16	3	21	82	0.52	0.11
000PAL	Palmetto	18	79	3	18	3	24	82	0.52	0.11
000OAK	Oak	14	83	3	13	2	21	82	0.53	0.11
000WIL	Willow	35	61	4	38	3	34	84	0.44	0.10
000MAG	Magnolia	57	35	8	63	6	50	87	0.33	0.10
000ASP	Aspen	58	32	10	63	7	50	84	0.33	0.11
000HIC	Hickory	37	55	8	38	6	34	84	0.44	0.12
000ELM	Elm	36	58	6	38	4	34	84	0.44	0.11

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.
 200-300°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 & Large Flame Test

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

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Sun Control Textiles™

Product Specifications Sheet

E Screen Deco™ 3%

Specifications

Product Category: Decorative
Openness Factor: 3%
UV Blockage: Approximately 97%
Fabric Style: Basketweave
Item #: 007553

Composition: 36% fiberglass / 64% vinyl
Standard Packaging: Rolls of 34 ly (31 lm)
Width: 98" (250 cm), 122" (310 cm)
Weight: 11.50 oz / yd² (390 g / m²) ± 5%
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		
000CYP	Cypress	53	35	12	58	10	45	82	0.36	0.13
000POP	Poplar	44	45	11	48	9	39	82	0.41	0.13
000CED	Cedar	23	71	6	25	5	26	82	0.50	0.12
000SYC	Sycamore	23	69	8	24	6	26	82	0.51	0.13
000MAP	Maple	15	78	7	14	6	21	79	0.54	0.13
000PAL	Palmetto	17	77	6	18	5	21	82	0.53	0.13
000OAK	Oak	12	82	6	12	6	18	79	0.55	0.13
000WIL	Willow	35	58	7	38	6	34	82	0.45	0.11
000MAG	Magnolia	51	39	10	57	9	45	82	0.37	0.12
000ASP	Aspen	52	35	13	57	11	45	82	0.37	0.13
000HIC	Hickory	35	54	11	36	9	32	79	0.46	0.14
000ELM	Elm	35	55	10	37	8	34	82	0.45	0.13

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.

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 Radio frequency, impulse, hot air, or wedge

Fire Classifications:

NFPA 701-19 TM#1, California U.S. Title 19
 CAN/ULC-S109-14 Small & Large Flame Test

Bacterial and Fungal Resistance:

ASTM E2180, ASTM G21

Environmental Benefits:

RoHS - Lead Free
 GREENGUARD Gold

Acoustical Performance:

NRC: 0.15, SAA: 0.13

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

Care & Handling

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