

E Screen Deco™ 3%

Specifications



Product Category: Decorative	Composition: 36% fiberglass / 64% vinyl
Openness Factor: 3%	Standard Packaging: Rolls of 30 ly (27 lm)
UV Blockage: Approximately 97%	Width: 98" (250 cm), 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		
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
000WAL	Walnut	12	83	5	12	5	18	82	0.55	0.13
000SPR	Spruce	8	88	4	8	4	16	82	0.57	0.13

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 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 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: 0.15, SAA: 0.13

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

Care & Handling

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.

5970 N. Main Street • Cowpens, SC 29330

Sales Department: Ph (866) 902-9647

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Specifications

Item Number	1% 008501 3% 008503 5% 008505
Product Category	Conventional
Fabric Style	Rib Weave
Openness Factor	1%, 3% & 5%
Composition	36% Fiberglass 64% Vinyl
UV Blockage	Approximately 95% - 99%
Standard Packaging	Rolls of 30 ly (27 lm)
Width	78 in (200 cm), 98 in (250 cm), 122 in (310 cm)
Weight	1% 13.12 oz/yd ² (445 g/m ²)±5% 3% 12.27 oz/yd ² (432 g/m ²)±5% 5% 11.3 oz/yd ² (384 g/m ²)±5%
Thickness	1% .022 in (0.56 mm)±5% 3% .022 in (0.55 mm)±5% 5% .022 in (0.55 mm)±5%

Classifications

Fire Classifications

NFPA 701-10 TM#1, California U.S. Title 19,
CAN/ULC-S109-03 Small & Large Flame Test
ASTM E2180, ASTM G21

Bacterial & Fungal Resistance

RoHS - Lead Free, GREENGUARD Gold

Environment

Acoustical Performance

1% NRC: 0.50, SAA: 0.47 | **3%** NRC: 0.35, SAA: 0.33 | **5%** NRC: 0.10, SAA: 0.12

Fabrication

Cutting: Cold, Ultrasonic or Crush | **Welding:** Radio Frequency, High Frequency, Impulse, Hot Air or Wedge

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

M Screen™

ITEM COLOR

030071	Charcoal/Apricot
002002	White/White
002007	White/Pearl
007020	Pearl/Linen
007007	Pearl/Pearl
030001	Charcoal/Grey
030030	Charcoal/Charcoal
002022	White/Stone
002020	White/Linen
020022	Linen/Stone
00M166	Linen/Sable-Cocoa
030010	Charcoal/Sable
030061	Charcoal/Cocoa

F A B R I C															F A B R I C + G L A S S														
thermal									optical						commercial						residential								
Total Solar															SHGC % Improvement						SHGC								
Rs %			As %			Ts %			Rv %		Tv %				Interior			Exterior			Interior			Exterior					
1	3	5	1	3	5	1	3	5	1	3	5	1	3	5	1	3	5	1	3	5	1	3	5	1	3	5	1	3	5
11	13	13	86	82	80	3	5	7	11	14	13	2	5	7	18	18	16	82	84	84	0.55	0.59	0.60	0.11	0.11	0.11			
76	71	71	9	11	10	15	18	19	81	76	75	12	16	16	63	55	55	82	76	76	0.24	0.29	0.30	0.13	0.16	0.16			
59	54	52	32	36	33	9	10	15	64	58	56	7	8	12	50	45	42	84	84	79	0.32	0.37	0.40	0.10	0.11	0.14			
36	40	39	56	49	49	8	11	12	38	42	41	5	8	9	34	34	32	82	84	82	0.44	0.46	0.47	0.12	0.12	0.13			
32	34	33	63	59	57	5	7	10	34	36	35	4	5	7	26	29	29	84	87	84	0.45	0.48	0.50	0.11	0.10	0.12			
7	8	8	91	90	86	2	2	6	7	8	8	2	2	5	18	16	13	82	87	84	0.56	0.61	0.63	0.12	0.09	0.11			
4	4	4	95	93	93	1	3	3	4	4	4	1	3	3	16	13	11	82	84	87	0.57	0.63	0.64	0.11	0.10	0.09			
67	62	61	15	17	18	18	21	21	71	66	65	16	18	18	55	47	47	76	74	74	0.30	0.35	0.36	0.16	0.18	0.18			
67	64	61	18	21	20	15	15	19	72	67	64	12	11	15	55	50	47	79	82	79	0.29	0.33	0.36	0.14	0.13	0.16			
50	51	50	29	28	28	21	21	22	53	53	52	18	16	18	42	39	37	71	76	74	0.39	0.41	0.42	0.19	0.18	0.19			
39	35	36	50	56	52	11	9	12	41	37	37	9	7	10	37	29	29	79	84	82	0.43	0.48	0.49	0.14	0.11	0.13			
10	12	13	87	84	81	3	4	6	10	13	13	2	4	5	18	18	16	82	84	84	0.55	0.59	0.60	0.12	0.10	0.11			
5	5	5	93	92	90	2	3	5	5	5	5	2	3	4	16	13	13	82	84	84	0.57	0.62	0.64	0.12	0.10	0.10			

Warranty

5 Year Exterior & 10 Year Interior

Care & Handling

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