



Sun Control Textiles™

Product Specifications Sheet

S Screen™ 4%

Specifications



Product Category: Decorative

Composition: 33.6% fiberglass / 59.6% vinyl
6.8% polyester

Openness Factor: 4%

Standard Packaging: Rolls of 23 ly (21 lm)

UV Blockage: Approximately 96%

Width: 98" (250 cm), 122" (310 cm)

Fabric Style: Plain Weave

Weight: 18.9 oz / yd2 (642 g / m2) ± 5%

Item #: 001604

Thickness: .037" (0.93 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		
0070C1	Granite	31	60	9	32	8	26	84	0.51	0.12
0020D2	Marble	48	42	10	51	9	39	84	0.41	0.11
0020D1	Porcelain	59	29	12	62	10	45	82	0.36	0.12
0200C1	Jute	43	46	11	44	9	34	82	0.44	0.12
0100C2	Cork	35	55	10	34	8	29	84	0.49	0.12
0100N5	Papyrus	38	51	11	37	9	29	82	0.48	0.12
0610P6	Sesame	18	76	6	17	6	18	84	0.58	0.11
0100B6	Ginger	36	55	9	33	6	26	84	0.49	0.11
0100P1	Nougat	37	53	10	34	7	29	84	0.49	0.12
0610B2	Coffee Bean	14	80	6	12	5	16	84	0.60	0.11
0070B1	Peppercorn	32	61	7	28	5	24	87	0.51	0.10
0020P1	Seasalt	54	35	11	54	9	39	84	0.39	0.11

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 / 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

Environmental Benefits:

RoHS - Lead Free

Bacterial and Fungal Resistance:

ASTM E2180, ASTM G21

Acoustical Performance:

NRC: 0.10, SAA: 0.12

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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05.19 v1



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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 Total Solar									optical						commercial SHGC % Improvement						residential 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	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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