Product Specifications Sheet

S Screen™ 1%

Specifications

Product Category: Decorative

Openness Factor: 1%

UV Blockage: Approximately 99%

Fabric Style: Plain Weave

Item #: 001601

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

Standard Packaging: Rolls of 23 ly (21 lm)

Width: 122" (310 cm)

Weight: 19.10 oz / yd2 (646 g / m2) ± 5%

Thickness: 0.041" (1.04 mm) ± 5%

Fenestration Data

		Fabric Properties					Fabric & Glass			
		Thermal			*Optical*		*Commercial*		*Residential*	
Color#	Color Name	Total Solar			Rv (%)	Tv (%)	SHGC % Improvement		SHGC	
		Rs (%)	As (%)	Ts (%)			Interior	Exterior	Interior	Exterior
A07AC1	Granite	34	61	5	36	3	34	84	0.44	0.10
A02AD2	Marble	56	36	8	60	6	47	84	0.33	0.10
A02AD1	Porcelain	63	27	10	67	8	53	84	0.30	0.10
A20AC1	Jute	46	45	9	48	7	39	82	0.39	0.12
A10AC2	Cork	37	56	7	37	5	34	84	0.44	0.11
A10AN5	Papyrus	39	54	7	39	5	34	84	0.43	0.11
A10AB6	Ginger	33	62	5	33	4	32	84	0.45	0.11
A10AP1	Nougat	39	54	7	37	5	18	82	0.47	0.12
A07AB1	Peppercorn	31	65	4	33	3	32	84	0.46	0.10
A02AP1	Seasalt	62	29	9	63	6	50	87	0.31	0.10

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 / ½" 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.
225-300°F. 5-10s.
Radio frequency, impulse, hot air, or wedge

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: 0.25, SAA: 0.26

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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info@MermetUSA.com

MERMET
Sun Control Textiles™

Product Specifications Sheet

S Screen™ 4%

Specifications

Product Category: Decorative

Openness Factor: 4%

UV Blockage: Approximately 96%

Fabric Style: Plain Weave

Item #: 001604

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

Standard Packaging: Rolls of 23 ly (21 lm)

Width: 122" (310 cm)

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

Thickness: 0.037" (0.93 mm) ± 5%

Fenestration Data

		Fabric Properties					Fabric & Glass			
		Thermal			*Optical*		*Commercial*		*Residential*	
Color#	Color Name	Total Solar			Rv (%)	Tv (%)	SHGC % Improvement		SHGC	
		Rs (%)	As (%)	Ts (%)			Interior	Exterior	Interior	Exterior
A07AC1	Granite	31	60	9	32	8	26	84	0.51	0.12
A02AD2	Marble	48	42	10	51	9	39	84	0.41	0.11
A02AD1	Porcelain	59	29	12	62	10	45	82	0.36	0.12
A20AC1	Jute	43	46	11	44	9	34	82	0.44	0.12
A10AC2	Cork	35	55	10	34	8	29	84	0.49	0.12
A10AN5	Papyrus	38	51	11	37	9	29	82	0.48	0.12
A10AB6	Ginger	36	55	9	33	6	26	84	0.49	0.11
A10AP1	Nougat	37	53	10	34	7	29	84	0.49	0.12
A07AB1	Peppercorn	32	61	7	28	5	24	87	0.51	0.10
A02AP1	Seasalt	54	35	11	54	9	39	84	0.39	0.11

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 / ½" 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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Bacterial and Fungal Resistance:

ASTM E2180, ASTM G21

Environmental Benefits:

RoHS - Lead Free
GREENGUARD Gold

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.

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