



Sun Control Textiles™

# Product Specifications Sheet

## S Screen™ 1%

### Specifications

**Product Category:** Decorative

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

**Openness Factor:** 1%

**Standard Packaging:** Rolls of 23 ly (21 lm)

**UV Blockage:** Approximately 99%

**Width:** 122" (310 cm)

**Fabric Style:** Plain Weave

**Weight:** 19.10 oz / yd<sup>2</sup> (646 g / m<sup>2</sup>) ± 5%

**Item #:** 001601

**Thickness:** 0.041" (1.04 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	34	61	5	36	3	34	84	0.44	0.10
0020D2	Marble	56	36	8	60	6	47	84	0.33	0.10
0020D1	Porcelain	63	27	10	67	8	53	84	0.30	0.10
0200C1	Jute	46	45	9	48	7	39	82	0.39	0.12
0100C2	Cork	37	56	7	37	5	34	84	0.44	0.11
0100N5	Papyrus	39	54	7	39	5	34	84	0.43	0.11
0100B6	Ginger	33	62	5	33	4	32	84	0.45	0.11
0100P1	Nougat	39	54	7	37	5	18	82	0.47	0.12
0070B1	Peppercorn	31	65	4	33	3	32	84	0.46	0.10
0020P1	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 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](mailto: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 701-19 TM#1

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: 0.25, 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](http://www.MermetUSA.com).

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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:** 122" (310 cm)

**Fabric Style:** Plain Weave

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

**Item #:** 001604

**Thickness:** 0.037" (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
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
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

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](mailto: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 701-19 TM#1

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: 0.10, 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 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](http://www.MermetUSA.com).

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