



Sun Control Textiles™

# Product Specifications Sheet

## E Screen™ 3%

### Specifications

**Product Category:** Conventional  
**Openness Factor:** 3%  
**UV Blockage:** Approximately 97%  
**Fabric Style:** Basketweave  
**Item #:** 007503

**Composition:** 36% fiberglass / 64% vinyl  
**Standard Packaging:** Rolls of 34 ly (31 lm)  
**Width:** 78" (200 cm), 98" (250 cm), 122" (310 cm)  
**Weight:** 11.6 oz / yd2 (393 g / m2) ± 5%  
**Thickness:** 0.017" (0.43 mm) ± 5%

### Fenestration Data

Color#	Color Name	Fabric Properties						Fabric & Glass			
		Rs IR (%)	Thermal			Optical		Commercial		Residential	
			Total Solar			Rv (%)	Tv (%)	SHGC % Improvement		SHGC	
Rs (%)	As (%)	Ts (%)	Interior	Exterior	Interior			Exterior			
030001	Charcoal/Grey	11	10	85	5	10	5	16	84	0.60	0.11
002002	White/White	70	73	11	16	78	13	58	82	0.28	0.14
002020	White/Linen	63	63	21	16	66	12	47	82	0.34	0.14
002007	White/Pearl	49	52	38	10	56	8	42	84	0.38	0.11
007020	Pearl/Linen	38	39	48	13	42	11	34	79	0.44	0.15
007007	Pearl/Pearl	31	32	59	9	34	8	32	82	0.47	0.13
007001	Pearl/Grey	28	27	63	10	27	8	26	79	0.50	0.14
00M122	Charcoal/Grey-Stone	13	13	80	7	13	6	18	79	0.55	0.14
030030	Charcoal/Charcoal	5	5	91	4	5	4	13	84	0.62	0.11
030061	Charcoal/Cocoa	7	7	89	4	7	3	13	84	0.62	0.10
030071	Charcoal/Apricot	18	18	75	7	18	7	18	82	0.57	0.12

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. 225-275°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: 0.15, SAA: 0.17

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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