



Sun Control Textiles™

# Product Specifications Sheet

## Sofia Twilight™

### Specifications

**Product Category:** Privacy

**Openness Factor:** 0%

**UV Blockage:** Approximately 100%

**Fabric Style:** Blackout

**Item #:** 022300

**Composition:** 100% polyester with acrylic coating

**Standard Packaging:** Rolls of 33 ly (30 lm)

**Width:** 118" (300 cm)

**Weight:** 11.0 oz / yd2 (373 g / m2) ± 10%

**Thickness:** 0.019" (0.48 mm) ± 10%

### Fenestration Data

Color #	Color Name	Side*	Fabric Properties						Fabric & Glass	Illuminance		
			Rs IR (%)	Thermal			Optical			SHGC	Blackout %	Glow %
				Rs (%)	As (%)	Ts (%)	Rv (%)	Tv (%)				
000OAT	Oat	street	76	80	20	0	88	0	0.19	98	2	
		room	70	75	25	0	80	0	0.22	98	2	
000BAR	Barley	street	81	82	18	0	89	0	0.18	98	2	
		room	76	73	27	0	73	0	0.24	98	2	
000PPY	Poppyseed	street	80	84	16	0	91	0	0.17	99	1	
		room	70	68	32	0	68	0	0.27	99	1	
000RYE	Rye	street	76	80	20	0	87	0	0.19	100	0	
		room	76	64	36	0	56	0	0.30	100	0	
000BUC	Buckwheat	street	62	68	32	0	77	0	0.26	99	1	
		room	65	52	48	0	42	0	0.36	99	1	
000PUM	Pumpnickel	street	81	82	18	0	87	0	0.18	98	2	
		room	35	24	76	0	14	0	0.50	98	2	

\*Room side: identified by the fabric side; Street side: identified by the coated side

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: Total Solar Transmittance (Ts), Total Solar Reflectance (Rs), Solar Reflectance in Infrared (Rs IR), Total Solar Absorbance (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 7.8 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. Blackout testing is based on 100,000 lux illuminance. 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:** Mermet 103218 Tape is Recommended.

350°F. 15s.

Radio frequency, impulse, hot air, wedge

#### Fire Classifications:

ASTM E 84 (Class B)

California Technical Bulletin #117

#### Bacterial Resistance:

ASTM E2180

#### Environmental Benefits:

RoHS - Lead Free

GREENGUARD Gold

We recommend testing all cutting and welding methods or settings with your equipment 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. Handling: Support the full width of the roll to prevent uneven distribution of weight and fabric deformation.

5970 N. Main Street • Cowpens, SC 29330

Sales Department: Ph (866) 902-9647

[info@MermetUSA.com](mailto:info@MermetUSA.com)

