



Sun Control Textiles™

# Product Specifications Sheet

## Sofia Daylight™

### Specifications

**Product Category:** Privacy

**Openness Factor:** < 1%

**UV Blockage:** Approximately 99%

**Fabric Style:** Plain Weave

**Item #:** D22300

**Composition:** 100% Polyester

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

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

**Weight:** 5.10 oz / yd<sup>2</sup> (173 g / m<sup>2</sup>) ± 5%

**Thickness:** 0.014" (0.352 mm) ± 5%

### Fenestration Data

		Fabric Properties						Fabric & Glass	Illuminance	
		Thermal				Optical				
Color#	Color Name	Rs IR (%)	Total Solar			Rv (%)	Tv (%)	SHGC	Blackout %	Glow %
			Rs (%)	As (%)	Ts (%)					
000OAT	Oat	53	56	4	40	59	40	0.41	0	100
000BAR	Barley	52	51	11	38	51	35	0.43	0	100
000PPY	Poppyseed	53	46	21	33	40	25	0.45	0	100
000RYE	Rye	52	40	31	29	29	18	0.47	0	100
000BUC	Buckwheat	53	39	33	28	28	17	0.47	0	100
000PUM	Pumpernickel	32	25	58	17	19	10	0.52	0	100

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 / 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: 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:** Ultrasonic blade is required

**Welding:** Mermet 103218 Tape is Recommended.

250°F. 15s.

Radio frequency, impulse, hot air, or wedge

#### Fire Classifications:

ASTM E 84 (Class A)

California Technical Bulletin #117

#### Bacterial and Fungal Resistance:

ASTM E2180

#### Environmental Benefits:

RoHS - Lead Free

GREENGUARD Gold

#### Acoustical Performance:

NRC: 0.45, SAA: 0.42

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. For spot removal, a natural or dry cleaning sponge may be used. For tougher stains and disinfecting instructions visit [www.MermetUSA.com](http://www.MermetUSA.com).

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