



Sun Control Textiles™

Product Specifications Sheet

E Screen Chroma™

Specifications

Product Category: High Performance

Openness Factor: 3%

UV Blockage: Approximately 97%

Fabric Style: Basketweave

Item #: 037503

Composition: 36% fiberglass / 64% vinyl

Ultra-fine layer of aluminum

Standard Packaging: Rolls of 33 ly (30 lm)

Width: 94.5" (240 cm)

Weight: 11.92 oz / yd2 (404 g / m2) ± 5%

Thickness: 0.020" (0.50 mm) ± 5%

Fenestration Data

Color#	Color Name	Side*	Fabric Properties			Fabric & Glass		Emissivity		
			Thermal			Optical			Commercial	Residential
			Total Solar			Rv (%)	Tv (%)		SHGC % Improvement	SHGC
Rs (%)	As (%)	Ts (%)								
002020	White/Linen	street	81	16	3	79	3	63	0.23	0.17
		room	67	30	3	71	2	55	0.27	0.87
002002	White/White	street	82	15	3	79	3	63	0.23	0.15
		room	74	23	3	79	3	63	0.23	0.86
002007	White/Pearl	street	80	17	3	78	3	61	0.21	0.16
		room	58	39	3	62	3	50	0.32	0.86
030007	Charcoal/Pearl	street	82	14	4	79	4	63	0.20	0.13
		room	11	86	3	12	3	21	0.55	0.87
030030	Charcoal/Charcoal	street	81	16	3	78	3	61	0.21	0.15
		room	4	93	3	5	3	16	0.57	0.87

*Room side: identified by the color side; Street side: identified by the aluminum 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 E903-96: 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.

Fabrication Methods:

Cutting: Crush, cold, or ultrasonic

Welding: Mermet 103218 Tape is Recommended.

325-350°F. 5-10s.

Heat impulse is recommended.

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: 0.30, SAA: 0.28

We recommend testing all cutting and welding methods prior to use to confirm they meet your individual fabrication specifications.

Care & Handling

Storage: fabric needs to be stored in cardboard tubes to prevent bowing of the fabric or the inner core that the fabric is wrapped around.

Transportation: fabric should be shipped in the same cardboard tubes, or carefully bulk packaged to avoid crushing of the fabric.

Handling: fabric should always remain in its native outer packaging during storage, and/or moving. The fabric should be carried with an even distribution across the length of the roll. Cotton gloves may be used to protect the fabric from damage during fabrication.

Placement: There needs to be at least 1" between finished shade and glass. Skylights require greater space between finished shade and glass to avoid thermal heat buildup.

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