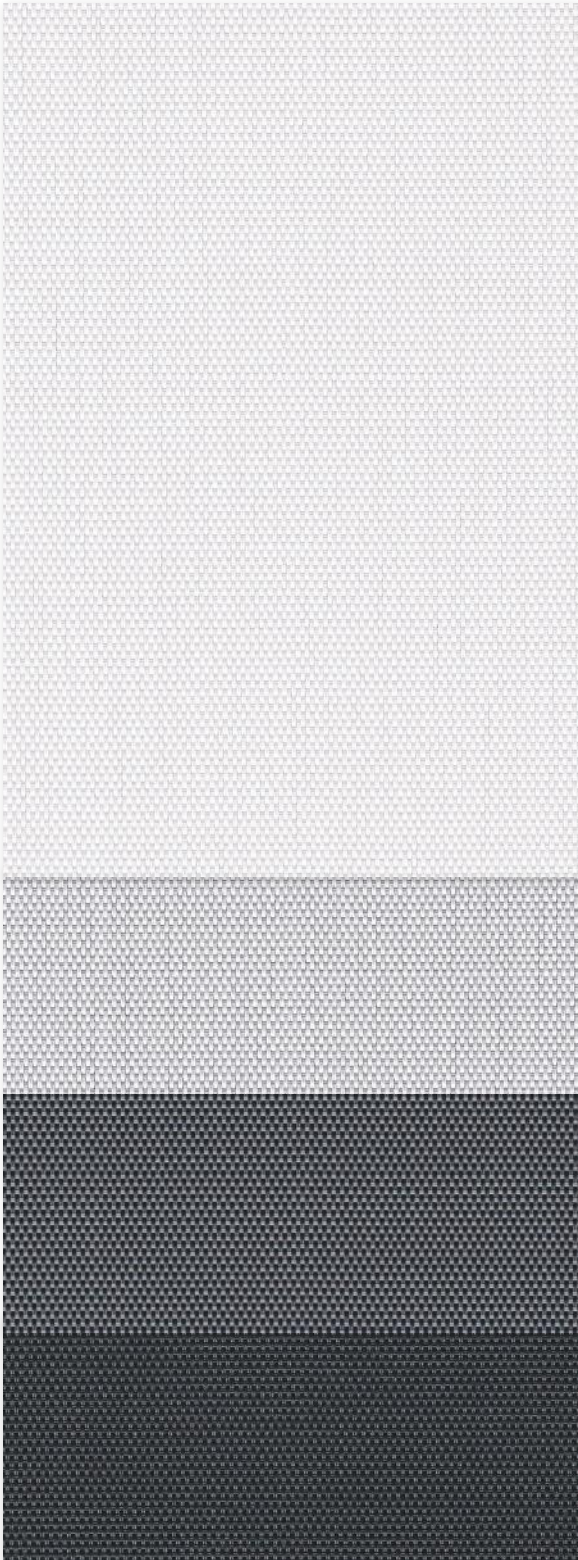


E Screen Chroma™

High Performance | 3% openness



002020 | White/Linen



002002
White/White

002007
White/Pearl

030007
Charcoal/Pearl

030030
Charcoal/Charcoal



Sun Control Textiles™

Specifications

Item Number	037503
Product Category	High Performance
Fabric Style	Basketweave
Openness Factor	3%
Composition	36% Fiberglass 64% Vinyl
	Ultra-fine layer of aluminum
UV Blockage	Approximately 97%
Standard Packaging	Rolls of 33 ly (30 lm)
Width	94.5 in (240 cm)
Weight	11.92 oz/yd ² (404 g/m ²) ±5%
Thickness	0.020 in (0.50 mm) ±5%

Classifications

Fire Classifications	NFPA 701-10 TM#1, California U.S. Title 19
Bacterial & Fungal Resistance	ASTM E2180, ASTM G21
Environment	RoHS - Lead Free, GREENGUARD Gold
Acoustic	NRC: 0.30, SAA: 0.28

Fabrication

Cutting: Cold, Ultrasonic or Crush
Welding: Do not use radio frequency or high frequency welding machines. Heat impulse welding equipment is recommended.
We recommend testing all cutting and welding methods prior to use to confirm they meet your individual fabrication specifications.

E Screen Chroma™

ITEM	COLOR	SIDE*
002020	White/Linen	Streetside Roomside
002002	White/White	Streetside Roomside
002007	White/Pearl	Streetside Roomside
030007	Charcoal/Pearl	Streetside Roomside
030030	Charcoal/Charcoal	Streetside Roomside

Rs (%)	FABRIC		optical		FABRIC + GLASS		EMISSION
	thermal Total Solar As (%)	Ts (%)	Rv (%)	Tv (%)	commercial SHGC % Improvement	residential SHGC	
81	16	3	79	3	63	0.23	0.17
67	30	3	71	2	55	0.27	0.87
82	15	3	79	3	63	0.23	0.15
74	23	3	79	3	63	0.23	0.86
80	17	3	78	3	61	0.21	0.16
58	39	3	62	3	50	0.32	0.86
82	14	4	79	4	63	0.20	0.13
11	86	3	12	3	21	0.55	0.87
81	16	3	78	3	61	0.21	0.15
4	93	3	5	3	16	0.57	0.87

*Roomside: identified by the color side; Streetside: identified by the aluminum coated side.

Warranty

10 Year Interior

Care & Cleaning

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 should be worn when handling and fabricating blind, as perspiration, dirt, etc. can permanently affect the aluminum backing.

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.

The fabric performance tests were conducted in accordance with ASTM E891 & ASTM E903-96: Solar Transmittance (Ts), Solar Reflectance (Rs), 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 7.3 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. Emissivity was tested in accordance with ASTM C1371. Acoustical performance was tested in accordance with ASTM C423-09a: NRC is Noise Reduction Coefficient, SAA is Sound Absorption Average. For up-to-date test results, performance specifications and larger samples, contact the Mermet Technical Department at: www.mermetusa.com.

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