

GreenScreen® Reflect™

Specifications



Product Category: High Performance

Composition: 100% fiberglass
halogen-free aluminum coating

Openness Factor: 5%

Standard Packaging: Rolls of 55 ly (50 lm)

UV Blockage: Approximately 95%

Width: 94.5" (240 cm)

Fabric Style: Mock Leno Weave

Weight: 4.72 oz / yd2 (160 g / m2) ± 5%

Item #: 011305

Thickness: .008" (0.21 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 (%)					
001306	Bronze	street	75	21	4	72	4	55	0.27	0.27
		room	16	80	4	13	4	18	0.57	0.89
001303	Platinum	street	75	19	6	73	6	55	0.27	0.27
		room	54	41	5	51	5	42	0.38	0.89
001301	Titanium	street	76	17	7	74	7	55	0.26	0.27
		room	65	29	6	64	6	50	0.30	0.89
001302	Silver	street	74	20	6	72	6	55	0.28	0.27
		room	50	44	6	44	5	37	0.40	0.89
001304	Iron	street	75	19	6	73	6	55	0.27	0.27
		room	43	51	6	38	6	34	0.44	0.89
001305	Carbon	street	74	22	4	72	4	55	0.27	0.27
		room	17	79	4	15	4	18	0.56	0.89
001307	Black Diamond	street	74	22	4	71	5	53	0.28	0.27
		room	7	89	4	6	5	13	0.60	0.89

*Room side: identified by the color side; Street side: identified by the aluminum coated side

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. For up-to-date test results, performance specifications and larger samples, contact the Mermet Technical Department at: www.mermetusa.com.

Fabrication Methods:

Cutting: cold (rotary knife or crush cut with sharpened blade) or ultrasonic

Welding: pockets and seams can be created using a welding tape with heat impulse or thermal welding equipment. Do not use radio frequency or high frequency welding machines.

Fire Classifications:

NFPA 701-10 TM#1, California U.S. Title 19
CAN/ULC-S109-03 Small & Large Flame Test

Fungal Resistance:

ASTM G21

Environmental Benefits:

RoHS - Lead Free

Acoustical Performance:

NRC: 0.10, SAA: 0.09

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

Care & Handling

Handling: As there is no protective vinyl coating, care should be taken when handling the fabric during all stages of fabrication, including installation. Bending or creasing the fabric can damage the exposed fiberglass. The metalized coating is very delicate. Be sure to work on a clean, dust-free smooth surface. It is recommended to wash hands prior to handling and wear protective gloves.

Cleaning: Regular light dusting with a feather duster is recommended. Compressed air or a hand held vacuum at low suction can also be used to remove dust. When needed, and on non-metallic side only, fabric can be spot cleaned by gently blotting with a damp cloth, making sure to leave the blind in the down position until completely dry. Do not use solvents or any abrasive substance which might damage the coating of the fabric.

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

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