

GreenScreen® Reflect™



Specifications

Product Category: High Performance

Openness Factor: 5%

UV Blockage: Approximately 95%

Fabric Style: Mock Leno Weave

Item #: 011305

Composition: 100% fiberglass

halogen-free aluminum coating

Standard Packaging: Rolls of 55 ly (50 lm)

Width: 94.5" (240 cm)

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

Thickness: .008" (0.21 mm) ± 5%

Fenestration Data

Color#	Color Name	Side*	Fabric Properties			Fabric & Glass		Emissivity		
			Thermal		Optical		Commercial		Residential	
			Rs (%)	As (%)	Ts (%)	Rv (%)	Tv (%)		SHGC % Improvement	SHGC
001306	Bronze	room	16	80	4	13	4	18	0.57	0.89
		street	75	21	4	72	4	55	0.27	0.27
001303	Platinum	room	54	41	5	51	5	42	0.38	0.89
		street	75	19	6	73	6	55	0.27	0.27
001301	Titanium	room	65	29	6	64	6	50	0.30	0.89
		street	76	17	7	74	7	55	0.26	0.27
001302	Silver	room	50	44	6	44	5	37	0.40	0.89
		street	74	20	6	72	6	55	0.28	0.27
001304	Iron	room	43	51	6	38	6	34	0.44	0.89
		street	75	19	6	73	6	55	0.27	0.27
001305	Carbon	room	17	79	4	15	4	18	0.56	0.89
		street	74	22	4	72	4	55	0.27	0.27
001307	Black Diamond	room	7	89	4	6	5	13	0.60	0.89
		street	74	22	4	71	5	53	0.28	0.27

*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

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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