



Sun Control Textiles™

Product Specifications Sheet

GreenScreen® Nature™

Specifications



Product Category: Sustainable
Openness Factor: 5%
UV Blockage: Approximately 95%
Fabric Style: Mock Leno Weave
Item #: 011300

Composition: 100% fiberglass
Standard Packaging: Rolls of 55 ly (50 lm)
Width: 94.5" (240 cm)
Weight: 5.10 oz / yd² (174 g / m²) ± 5%
Thickness: 0.010" (0.24 mm) ± 5%

Fenestration Data

Color#	Color Name	Fabric Properties					Fabric & Glass	
		Thermal			Optical		Commercial	Residential
		Total Solar			Rv (%)	Tv (%)	SHGC % Improvement	SHGC
Rs (%)	As (%)	Ts (%)						
000410	Sable	49	24	27	48	24	37	0.42
000440	Charcoal	6	90	4	6	4	16	0.58
000441	Dark Grey	13	79	8	11	6	18	0.55
000349	Light Grey	35	47	18	31	14	29	0.48
000348	Pearl	55	15	30	54	27	42	0.40
000319	Linen	58	11	31	60	30	45	0.38
00B119	White	61	4	35	65	34	45	0.37

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 7.3 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. 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 Mermet at info@mermetusa.com.

Fabrication Methods:

Cutting: rotary knife or crush cut with sharpened blade

Welding: radio frequency, high frequency, impulse, hot air, wedge. May require the use of welding tape. Please contact Mermet for more information regarding our welding tape product line.

Fire Classifications:

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

Bacterial and Fungal Resistance:

ASTM E2180, ASTM G21

Environmental Benefits:

RoHS - Lead Free

Acoustical Performance:

NRC: 0.10, SAA: 0.11

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

Care & Handling

Regular light dusting with a feather duster is suggested. A hand-held vacuum with low suction may also be used. When vacuuming, avoid pulling or stretching the fabric. Rigorous vacuuming is not recommended since this could distort the fabric. Alternatively, dirt and debris can be blown away using compressed air or hand-held air dryer on the cool setting. Alternatively, a dry chemical sponge may also be used for spot cleaning.

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