MERMET
Sun Control Textiles™

Product Specifications Sheet

GreenScreen Evolve® 3%

Specifications

Product Category: Sustainable
Openness Factor: 3%
UV Blockage: Approximately 97%
Fabric Style: Warp Knit
Item #: 003503

Composition: 100% polyester / 78% recycled content
Standard Packaging: Rolls of 35 ly (32 lm)
Width: 118" (300 cm)
Weight: 8.85 oz / yd2 (300 g / m2) ± 5%
Thickness: 0.029" (0.74 mm) ± 5%

Fenestration Data

		Fabric Properties					Fabric & Glass	
		Thermal			*Optical*		*Commercial*	*Residential*
Color#	Color Name	Total Solar			Rv (%)	Tv (%)	SHGC % Improvement	SHGC
		Rs (%)	As (%)	Ts (%)				
00QS37	Wind	62	17	21	61	19	47	0.34
00QS26	Storm	41	45	14	19	5	24	0.46
00QS19	Rain	51	31	18	38	11	34	0.41
00QS21	Shadow	47	32	21	35	14	32	0.43
00QS22	Shale	54	25	21	46	16	37	0.39
00QS35	Haze	61	17	22	58	19	45	0.35
00QS38	Natural	63	14	23	63	22	47	0.34
00QS23	Light	66	11	23	68	23	50	0.32
00QS39	Cloud	69	8	23	71	23	53	0.30

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 / ½" 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. 250-275°F. 5-10s.
Radio frequency, impulse, hot air, or wedge

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

Bacterial and Fungal Resistance:
ASTM E2180, ASTM G21

Environmental Benefits:
RoHS - Lead Free
GREENGUARD Gold
Cradle to Cradle - Bronze
Declare Label

Acoustical Performance:
NRC: 0.20, SAA: 0.21

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. For tougher stains and disinfecting instructions visit www.MermetUSA.com.

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