



Sun Control Textiles™

Product Specifications Sheet



GreenScreen® Evolve™ 1%

Specifications

Product Category:	Sustainable	Composition:	100% Polyester / 78% Recycled Content
Openness Factor:	1%	Standard Packaging:	Rolls of 50 ly (46 lm)
UV Blockage:	Approximately 99%	Width:	118" (300 cm)
Fabric Style:	Warp Knit	Weight:	8.97oz / yd2 (304 g / m2) ± 5%
Item #:	3501	Thickness:	.029" (0.73 mm) ± 5%

Glass Performance

Glass Type	Appearance	VLT (Tv)	SHGC (G-Value)
Common Glass Types	Clear	70	0.38

Common Glass Types: Guardian SN68, Viracon 1-2 M, PPG Solarban 60

Coating and Location: Low E on Surface #2

Construction: 6 mm / 1/2" air / 6 mm

Fabric Performance

Fabric + Glass Performance

Color#	Color Name	Ts	Rs	As	VLT (Tv)	SHGC (G-Value) Interior Fabric	% Improvement of SHGC with Fabric
QS19	Rain	17	52	31	10	0.30	21%
QS21	Shadow	18	52	30	10	0.30	21%
QS22	Shale	19	56	25	19	0.30	21%
QS23	Light	26	65	9	25	0.29	24%
QS26	Storm	15	42	43	5	0.32	16%
QS35	Haze	21	62	17	17	0.29	24%
QS37	Wind	22	62	16	19	0.29	24%
QS38	Natural	23	63	14	21	0.29	24%
QS39	Cloud	26	66	8	25	0.28	26%

The performance tests were conducted in accordance with EN 14501:2005, ASTM E891, ASTM E903-96: Solar Heat Gain Coefficient SHGC (G-Value), Solar Transmittance (Ts), Solar Reflectance (Rs), Solar Absorptance (As), Visible Light Transmission VLT (Tv), Double Glazing 6 mm / 1/2" air / 6 mm with low E on surface #2. Glass performance tests were conducted using the Lawrence Berkeley National Laboratory Window 6.3 NFRC certified software. Acoustical performance 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

Fabrication Methods:

Cutting: cold, ultrasonic or crush

Welding: radio frequency, high frequency, impulse, hot air, wedge. May require the use of welding tape.

Please contact Mermet for more information about our welding tape product line.

Fire Classifications:

NFPA 701-10 TM#1, California U.S. Title 19

Bacterial and Fungal Resistance:

ASTM E2180, ASTM G21

Environmental Benefits:

RoHS - Lead Free, PVC Free

Acoustical Performance:

NRC: 0.20, SAA: 0.20

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 a hand-held hair dryer on the cool setting. Alternatively, a dry chemical sponge may also be used for spot cleaning.

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