MERMET
Sun Control Textiles™

GreenScreen Revive® 1%

Specifications

Product Category:	Sustainable	**Composition:**	100% polyester / 89% 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:**	5.87 oz / yd2 (199 g / m2) ± 5%
Item #:	002501	**Thickness:**	.019" (0.49 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 (%)				
A00030	Onyx	34	49	17	11	5	18	0.51
000022	Stone	52	24	24	44	17	34	0.42
000001	Pewter	43	38	19	25	8	24	0.46
000015	Dusk	36	50	14	11	2	18	0.50
000071	Suede	39	42	19	20	7	21	0.48
000055	Mushroom	46	34	20	32	10	29	0.45
000020	Linen	58	17	25	55	20	42	0.38
000010	Sand	61	13	26	60	23	45	0.36
000002	White	66	6	28	68	27	50	0.33

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 / 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 C423-09a: 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: 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 regarding our welding tape product line.

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: 0.20, SAA: 0.22

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.

GreenScreen Revive® 5%

Specifications

Product Category:	Sustainable	**Composition:**	100% polyester / 89% recycled content
Openness Factor:	5%	**Standard Packaging:**	Rolls of 50 ly (46 lm)
UV Blockage:	Approximately 95%	**Width:**	118" (300 cm)
Fabric Style:	Warp Knit	**Weight:**	5.01 oz / yd2 (170 g / m2) ± 5%
Item #:	002505	**Thickness:**	.017" (0.44 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 (%)				
A00030	Onyx	31	47	22	10	9	16	0.56
000022	Stone	49	24	27	43	20	32	0.45
000001	Pewter	37	37	26	23	14	21	0.52
000015	Dusk	31	47	22	10	8	16	0.56
000071	Suede	35	40	25	18	13	18	0.53
000055	Mushroom	42	31	27	31	18	24	0.49
000020	Linen	52	16	32	50	28	34	0.44
000010	Sand	54	11	35	54	33	37	0.43
000002	White	56	6	38	58	37	39	0.42

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 / 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 C423-09a: 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: 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 regarding our welding tape product line.

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: 0.15, SAA: 0.14

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.

5970 N. Main Street • Cowpens, SC 29330

Sales Department: Ph (866) 902-9647

info@mermetusa.com