



Sun Control Textiles™

# Product Specifications Sheet

## GreenScreen Revive® 1%

### Specifications

<b>Product Category:</b> Sustainable	<b>Composition:</b> 100% polyester / 89% recycled content
<b>Openness Factor:</b> 1%	<b>Standard Packaging:</b> Rolls of 50 ly (46 lm)
<b>UV Blockage:</b> Approximately 99%	<b>Width:</b> 118" (300 cm)
<b>Fabric Style:</b> Warp Knit	<b>Weight:</b> 5.87 oz / yd2 (199 g / m2) ± 5%
<b>Item #:</b> 002501	<b>Thickness:</b> 0.019" (0.49 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 (%)				
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

Fabric properties may vary from the values reported due to standard variations in the manufacturing process. The fabric fenestration testing was conducted in accordance with ASTM G173 & ASTM E903: 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 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: 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](mailto: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 701-19 TM#1, California U.S. Title 19

CAN/ULC-S109-14 Small & Large Flame Test

#### Fungal Resistance:

ASTM G21

#### Environmental Benefits:

RoHS - Lead Free

GREENGUARD Gold

Cradle to Cradle - Bronze

Declare Label

#### 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. Alternatively, a dry chemical sponge may also be used for spot cleaning. For tougher stains and disinfecting instructions visit [www.MermetUSA.com](http://www.MermetUSA.com).

5970 N. Main Street • Cowpens, SC 29330

Sales Department: Ph (866) 902-9647

[info@MermetUSA.com](mailto:info@MermetUSA.com)





# Product Specifications Sheet

## GreenScreen Evolve® 3%

### Specifications

<b>Product Category:</b> Sustainable	<b>Composition:</b> 100% polyester / 78% recycled content
<b>Openness Factor:</b> 3%	<b>Standard Packaging:</b> Rolls of 35 ly (32 lm)
<b>UV Blockage:</b> Approximately 97%	<b>Width:</b> 118" (300 cm)
<b>Fabric Style:</b> Warp Knit	<b>Weight:</b> 8.85 oz / yd2 (300 g / m2) ± 5%
<b>Item #:</b> 003503	<b>Thickness:</b> 0.029" (0.74 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 (%)						
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 fenestration testing was conducted in accordance with ASTM G173 & ASTM E903: 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 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: 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.

<b>Fabrication Methods:</b>	<b>Fire Classifications:</b>	<b>Environmental Benefits:</b>
<b>Cutting:</b> Crush, cold, or ultrasonic	NFPA 701-19 TM#1, California U.S. Title 19	RoHS - Lead Free
<b>Welding:</b> Mermet 103218 Tape is Recommended. 250-275°F. 5-10s.	CAN/ULC-S109-14 Small & Large Flame Test	GREENGUARD Gold
Radio frequency, impulse, hot air, or wedge		Cradle to Cradle - Bronze
	<b>Bacterial and Fungal Resistance:</b>	Declare Label
	ASTM E2180, ASTM G21	<b>Acoustical Performance:</b>
		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](http://www.MermetUSA.com).

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# Product Specifications Sheet

Sun Control Textiles™

## GreenScreen Revive® 5%

### Specifications

<b>Product Category:</b> Sustainable	<b>Composition:</b> 100% polyester / 89% recycled content
<b>Openness Factor:</b> 5%	<b>Standard Packaging:</b> Rolls of 50 ly (46 lm)
<b>UV Blockage:</b> Approximately 95%	<b>Width:</b> 118" (300 cm)
<b>Fabric Style:</b> Warp Knit	<b>Weight:</b> 5.01 oz / yd2 (170 g / m2) ± 5%
<b>Item #:</b> 002505	<b>Thickness:</b> 0.017" (0.44 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 (%)				
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

Fabric properties may vary from the values reported due to standard variations in the manufacturing process. The fabric fenestration testing was conducted in accordance with ASTM G173 & ASTM E903: 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 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: 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](mailto: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 701-19 TM#1, California U.S. Title 19

CAN/ULC-S109-14 Small & Large Flame Test

#### Fungal Resistance:

ASTM G21

#### Environmental Benefits:

RoHS - Lead Free

GREENGUARD Gold

Cradle to Cradle - Bronze

Declare Label

#### 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. Alternatively, a dry chemical sponge may also be used for spot cleaning. For tougher stains and disinfecting instructions visit [www.MermetUSA.com](http://www.MermetUSA.com).

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