



# Product Specifications Sheet

## E Screen™ LOWGLARE™ 1%

### Specifications

**Product Category:** High Performance  
**Openness Factor:** 1%  
**UV Blockage:** Approximately 99%  
**Fabric Style:** Basketweave  
**Item #:** 007601

**Composition:** 36% fiberglass / 64% vinyl  
**Standard Packaging:** Rolls of 34 ly (31 lm)  
**Width:** 122" (310 cm)  
**Weight:** 13.3 oz / yd2 (452 g / m2) ± 5%  
**Thickness:** 0.020" (0.52 mm) ± 5%

### Fenestration Data

		Fabric Properties						Fabric & Glass			
		Thermal			Optical			Commercial		Residential	
Color#	Color Name	Rs IR (%)	Total Solar			Rv (%)	Tv (%)	SHGC % Improvement		SHGC	
			Rs (%)	As (%)	Ts (%)			Interior	Exterior	Interior	Exterior
A36A36	Dove	72	75	18	7	80	5	63	89	0.24	0.08

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:** Fabric welds without tape. 225-275°F. 5-10s.  
Radio frequency, impulse, hot air, or wedge

#### Fire Classifications:

NFPA 701 TM#1, California U.S. Title 19  
CAN/ULC-S109

#### Bacterial and Fungal Resistance:

ASTM E2180, ASTM G21

#### Environmental Benefits:

RoHS - Lead Free  
GREENGUARD Gold

#### Acoustical Performance:

NRC: 0.50, SAA: 0.50

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

#### Care & Handling

Remove dust with a soft duster, cloth, sponge, vacuum cleaner, or compressed air. Do not scrub. Do not use solvents or any abrasive substance which might damage the coating of the fabric. For minor stains clean with a soft cloth, sponge, or soft brush dipped in lukewarm soapy water using mild detergent. Rinse with clean water. Leave the blind down until completely dry. For tougher stains and disinfecting instructions visit [www.MermetUSA.com](http://www.MermetUSA.com).

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# Product Specifications Sheet

## E Screen™ LOWGLARE™ 3%

### Specifications

<b>Product Category:</b> High Performance	<b>Composition:</b> 36% fiberglass / 64% vinyl
<b>Openness Factor:</b> 3%	<b>Standard Packaging:</b> Rolls of 34 ly (31 lm)
<b>UV Blockage:</b> Approximately 97%	<b>Width:</b> 122" (310 cm)
<b>Fabric Style:</b> Basketweave	<b>Weight:</b> 11.6 oz / yd2 (393 g / m2) ± 5%
<b>Item #:</b> 007603	<b>Thickness:</b> 0.017" (0.43 mm) ± 5%

### Fenestration Data

Color#	Color Name	Fabric Properties						Fabric & Glass			
		Rs IR (%)	Thermal			Optical		Commercial		Residential	
			Total Solar			Rv (%)	Tv (%)	SHGC % Improvement		SHGC	
Rs (%)	As (%)	Ts (%)	Interior	Exterior	Interior			Exterior			
A36A36	Dove	69	72	17	11	77	9	59	84	0.27	0.11

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:** Fabric welds without tape. 225-275°F. 5-10s.

Radio frequency, impulse, hot air, or wedge

### Fire Classifications:

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

CAN/ULC-S109

### Bacterial and Fungal Resistance:

ASTM E2180, ASTM G21

### Environmental Benefits:

RoHS - Lead Free

GREENGUARD Gold

### Acoustical Performance:

NRC: 0.15, SAA: 0.16

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

### Care & Handling

Remove dust with a soft duster, cloth, sponge, vacuum cleaner, or compressed air. Do not scrub. Do not use solvents or any abrasive substance which might damage the coating of the fabric. For minor stains clean with a soft cloth, sponge, or soft brush dipped in lukewarm soapy water using mild detergent. Rinse with clean water. Leave the blind down until completely dry. For tougher stains and disinfecting instructions visit [www.MermetUSA.com](http://www.MermetUSA.com).

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# Product Specifications Sheet

## E Screen™ LOWGLARE™ 5%

### Specifications

<b>Product Category:</b> High Performance	<b>Composition:</b> 36% fiberglass / 64% vinyl
<b>Openness Factor:</b> 5%	<b>Standard Packaging:</b> Rolls of 34 ly (31 lm)
<b>UV Blockage:</b> Approximately 95%	<b>Width:</b> 122" (310 cm)
<b>Fabric Style:</b> Basketweave	<b>Weight:</b> 10.7 oz / yd2 (363 g / m2) ± 5%
<b>Item #:</b> 007605	<b>Thickness:</b> 0.016" (0.41 mm) ± 5%

### Fenestration Data

Color#	Color Name	Fabric Properties						Fabric & Glass			
		Rs IR (%)	Thermal			Optical		Commercial		Residential	
			Total Solar			Rv (%)	Tv (%)	SHGC % Improvement		SHGC	
Rs (%)	As (%)	Ts (%)	Interior	Exterior	Interior			Exterior			
A36A36	Dove	68	70	16	14	76	11	58	82	0.28	0.13

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).

<b>Fabrication Methods:</b>	<b>Fire Classifications:</b>	<b>Environmental Benefits:</b>
<b>Cutting:</b> Crush, cold, or ultrasonic	NFPA 701 TM#1, California U.S. Title 19	RoHS - Lead Free
<b>Welding:</b> Fabric welds without tape. 225-275°F. 5-10s.	CAN/ULC-S109	GREENGUARD Gold
Radio frequency, impulse, hot air, or wedge	<b>Bacterial and Fungal Resistance:</b>	<b>Acoustical Performance:</b>
	ASTM E2180, ASTM G21	NRC: 0.10, SAA: 0.09

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

### Care & Handling

Remove dust with a soft duster, cloth, sponge, vacuum cleaner, or compressed air. Do not scrub. Do not use solvents or any abrasive substance which might damage the coating of the fabric. For minor stains clean with a soft cloth, sponge, or soft brush dipped in lukewarm soapy water using mild detergent. Rinse with clean water. Leave the blind down until completely dry. For tougher stains and disinfecting instructions visit [www.MermetUSA.com](http://www.MermetUSA.com).

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