MERMET
Sun Control Textiles™

E Screen 3% with KOOLBLACK® Technology

Specifications

Product Category:	High Performance	**Composition:**	36% fiberglass / 64% vinyl
Openness Factor:	3%	**Standard Packaging:**	Rolls of 30 ly (27 lm)
UV Blockage:	Approximately 97%	**Width:**	98" (250 cm), 122" (310 cm)
Fabric Style:	Basketweave	**Weight:**	11.3 oz / yd2 (382 g / m2) ± 5%
Item #:	007703	**Thickness:**	0.020" (0.51 mm) ± 5%

Fenestration Data

Color#	Color Name	Fabric Properties						Fabric & Glass			
		Thermal				Optical		Commercial		Residential	
		Rs IR (%)	Total Solar			Rv (%)	Tv (%)	SHGC % Improvement		SHGC	
			Rs (%)	As (%)	Ts (%)			Interior	Exterior	Interior	Exterior
035035	Charcoal/Charcoal	61	34	49	17	10	6	16	82	0.53	0.16
00K122	Charcoal/Grey-Stone	60	38	46	16	19	7	24	79	0.48	0.16
035131	Charcoal/Grey	65	40	46	14	18	5	24	82	0.47	0.15
035032	Charcoal/Cocoa	61	35	48	17	12	6	16	82	0.52	0.16
035071	Charcoal/Apricot	58	38	44	18	22	6	21	82	0.50	0.16

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 the Mermet Technical Department at: www.mermetusa.com.

Fabrication Methods:

Cutting: cold, ultrasonic or crush

Welding: radio frequency, high frequency, impulse, hot air, wedge

Fire Classifications:

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

CAN/ULC-S109-03 Small & Large Flame Test

Bacterial and Fungal Resistance:

ASTM E2180, ASTM G21

Environmental Benefits:

RoHS - Lead Free

Acoustical Performance:

NRC: 0.15, SAA: 0.17

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

Care & Handling

Remove dust with vacuum cleaner or compressed air. Do not scrub. Do not use solvents or any abrasive substance which might damage the coating of the fabric. Clean with a sponge or a soft brush dipped in soapy water using mild detergent. Rinse with clean water. Leave the blind down until completely dry. You can also very gently rub the fabric with a clean white pencil eraser to remove small stains.

5970 N. Main Street • Cowpens, SC 29330

Sales Department: Ph (866) 902-9647

info@mermetusa.com

MERMET
Sun Control Textiles™

E Screen 5% with KOOLBLACK® Technology

Specifications

Product Category:	High Performance	**Composition:**	36% fiberglass / 64% vinyl
Openness Factor:	5%	**Standard Packaging:**	Rolls of 30 ly (27 lm)
UV Blockage:	Approximately 95%	**Width:**	98" (250 cm), 122" (310 cm)
Fabric Style:	Basketweave	**Weight:**	10.6 oz / yd2 (358 g / m2) ± 5%
Item #:	007705	**Thickness:**	0.019" (0.47 mm) ± 5%

Fenestration Data

Color#	Color Name	Fabric Properties						Fabric & Glass			
		Thermal				Optical		Commercial		Residential	
		Rs IR (%)	Total Solar			Rv (%)	Tv (%)	SHGC % Improvement		SHGC	
			Rs (%)	As (%)	Ts (%)			Interior	Exterior	Interior	Exterior
035035	Charcoal/Charcoal	60	33	49	18	10	6	16	82	0.54	0.16
00K122	Charcoal/Grey-Stone	58	36	45	19	18	9	21	76	0.49	0.18
035131	Charcoal/Grey	62	38	45	17	17	7	21	79	0.48	0.17
035032	Charcoal/Cocoa	57	32	49	19	11	7	16	82	0.55	0.17
035071	Charcoal/Apricot	59	37	42	21	19	9	18	79	0.52	0.18

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 the Mermet Technical Department at: www.mermetusa.com.

Fabrication Methods:

Cutting: cold, ultrasonic or crush

Welding: radio frequency, high frequency, impulse, hot air, wedge

Fire Classifications:

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

CAN/ULC-S109-03 Small & Large Flame Test

Bacterial and Fungal Resistance:

ASTM E2180, ASTM G21

Environmental Benefits:

RoHS - Lead Free

Acoustical Performance:

NRC: 0.10, SAA: 0.12

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

Care & Handling

Remove dust with vacuum cleaner or compressed air. Do not scrub. Do not use solvents or any abrasive substance which might damage the coating of the fabric. Clean with a sponge or a soft brush dipped in soapy water using mild detergent. Rinse with clean water. Leave the blind down until completely dry. You can also very gently rub the fabric with a clean white pencil eraser to remove small stains.

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