



Sun Control Textiles™

Product Specifications Sheet

T Screen 3% with KOOLBLACK® Technology Specifications



Product Category: High Performance
Openness Factor: 3%
UV Blockage: Approximately 97%
Fabric Style: Satin
Item #: 009703

Composition: 36% fiberglass / 64% vinyl
Standard Packaging: Rolls of 30 ly (27 lm)
Width: 98" (250 cm), 122" (310 cm)
Weight: 13.27 oz / yd2 (450 g / m2) ± 5%
Thickness: 0.029" (0.74 mm) ± 5%

Fenestration Data

Color#	Color Name	Side*	Fabric Properties						Fabric & Glass			
			Rs IR (%)	Thermal			Optical		Commercial		Residential	
				Total Solar			Rv (%)	Tv (%)	SHGC % Improvement		SHGC	
	Rs (%)	As (%)	Ts (%)	Interior	Exterior	Interior			Exterior			
002131	White/Grey	street	70	68	18	14	68	9	53	84	0.29	0.12
		room	69	53	34	13	39	7	34	82	0.39	0.14
002032	White/Cocoa	street	67	62	23	15	60	8	45	84	0.35	0.13
		room	65	44	40	16	27	9	24	79	0.47	0.16
002035	White/Charcoal	street	66	62	23	15	60	8	45	84	0.35	0.13
		room	65	43	41	16	25	9	24	79	0.47	0.16
00K131	White/Charcoal-Grey	street	69	66	20	14	66	7	53	84	0.30	0.12
		room	67	48	38	14	32	7	32	82	0.42	0.15
00K302	White/Charcoal-Cocoa	street	67	62	23	15	60	8	45	84	0.35	0.13
		room	65	44	40	16	26	9	24	79	0.47	0.16

*Room side: identified by the color side; Street side: identified by the white side

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 / 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. 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

Environmental Benefits:

RoHS - Lead Free

Bacterial and Fungal Resistance:

ASTM E2180, ASTM G21

Acoustical Performance:

NRC: 0.05, SAA: 0.08

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



Sun Control Textiles™

Product Specifications Sheet

T Screen 5% with KOOLBLACK® Technology Specifications



Product Category: High Performance
Openness Factor: 5%
UV Blockage: Approximately 95%
Fabric Style: Satin
Item #: 009705

Composition: 36% fiberglass / 64% vinyl
Standard Packaging: Rolls of 30 ly (27 lm)
Width: 98" (250 cm), 122" (310 cm)
Weight: 12.48 oz / yd2 (423 g / m2) ± 5%
Thickness: 0.027" (0.69 mm) ± 5%

Fenestration Data

Color#	Color Name	Side*	Fabric Properties						Fabric & Glass			
			Rs IR (%)	Thermal			Optical		Commercial		Residential	
				Total Solar			Rv (%)	Tv (%)	SHGC % Improvement		SHGC	
	Rs (%)	As (%)	Ts (%)	Interior	Exterior	Interior			Exterior			
002131	White/Grey	street	67	63	20	17	60	11	47	82	0.33	0.15
		room	67	49	35	16	35	10	32	79	0.42	0.16
002032	White/Cocoa	street	64	57	26	17	53	10	39	82	0.39	0.14
		room	63	41	41	18	22	10	21	79	0.50	0.17
002035	White/Charcoal	street	64	57	26	17	52	9	39	82	0.39	0.14
		room	62	39	43	18	19	10	18	79	0.51	0.17
00K131	White/Charcoal-Grey	street	66	61	22	17	58	10	45	82	0.34	0.15
		room	65	45	38	17	27	10	26	76	0.45	0.17
00K302	White/Charcoal-Cocoa	street	64	57	26	17	53	9	39	82	0.39	0.14
		room	62	40	43	17	20	10	21	79	0.50	0.16

*Room side: identified by the color side; Street side: identified by the white side

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 / 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. 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

Environmental Benefits:

RoHS - Lead Free

Bacterial and Fungal Resistance:

ASTM E2180, ASTM G21

Acoustical Performance:

NRC: 0.10, SAA: 0.07

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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