MERMET
Sun Control Textiles™

T Screen™ 1% WITH KOOLBLACK TECHNOLOGY

Specifications

Product Category:	High Performance	**Composition:**	36% fiberglass / 64% vinyl
Openness Factor:	1%	**Standard Packaging:**	Rolls of 30 ly (27 lm)
UV Blockage:	Approximately 99%	**Width:**	98" (250 cm), 122" (310 cm)
Fabric Style:	Satin	**Weight:**	13.54 oz / yd2 (459 g / m2) ± 5%
Item #:	009701	**Thickness:**	0.024" (0.61 mm) ± 5%

Fenestration Data

				Fabric Properties						Fabric & Glass			
				Thermal				*Optical*		*Commercial*		*Residential*	
					Total Solar					SHGC % Improvement		SHGC	
Color#	Color Name	Side*	Rs IR (%)	Rs (%)	As (%)	Ts (%)	Rv (%)	Tv (%)		Interior	Exterior	Interior	Exterior
002131	White/Grey	street	72	69	18	13	69	7		55	84	0.28	0.11
		room	70	52	36	12	38	6		34	82	0.39	0.13
002032	White/Cocoa	street	71	68	19	13	67	7		53	87	0.30	0.11
		room	69	46	41	13	26	6		26	82	0.45	0.14
002035	White/Charcoal	street	69	65	24	11	63	4		50	87	0.31	0.10
		room	67	43	46	11	24	4		26	84	0.46	0.13
00K131	White/Charcoal-Grey	street	72	69	20	11	68	4		55	87	0.28	0.10
		room	70	48	41	11	30	4		29	84	0.41	0.13
00K302	White/Charcoal-Cocoa	street	69	65	22	13	64	7		50	84	0.32	0.11
		room	67	44	44	12	25	6		26	82	0.45	0.14

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

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

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: 0.11

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

T 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:	Satin	**Weight:**	13.27 oz / yd2 (450 g / m2) ± 5%
Item #:	009703	**Thickness:**	0.029" (0.74 mm) ± 5%

Fenestration Data

			Fabric Properties						Fabric & Glass			
			Thermal				*Optical*		*Commercial*		*Residential*	
			Rs IR (%)	Total Solar			Rv (%)	Tv (%)	SHGC % Improvement		SHGC	
Color#	Color Name	Side*		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

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

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: 0.14

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.

GREENGUARD GOLD — PRODUCT CERTIFIED FOR LOW CHEMICAL EMISSIONS UL.COM/GG UL 2818

FIVE YEAR FABRIC WARRANTY EXTERIOR | TEN YEAR FABRIC WARRANTY INTERIOR

RoHS COMPLIANT

T 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:	Satin	**Weight:**	12.48 oz / yd2 (423 g / m2) ± 5%
Item #:	009705	**Thickness:**	0.027" (0.69 mm) ± 5%

Fenestration Data

				Fabric Properties						Fabric & Glass			
				Thermal				*Optical*		*Commercial*		*Residential*	
				Rs IR (%)	Total Solar			Rv (%)	Tv (%)	SHGC % Improvement		SHGC	
Color#	Color Name	Side*			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

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

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: 0.09

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

Care & Handling
Remove dust with 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.