MERMET
Sun Control Textiles™

Product Specifications Sheet

M Screen™ 1%

Specifications

Product Category: Conventional
Openness Factor: 1%
UV Blockage: Approximately 99%
Fabric Style: Rib Weave
Item #: 008501

Composition: 36% fiberglass / 64% vinyl
Standard Packaging: Rolls of 34 ly (31 lm)
Width: 98" (250 cm), 122" (310 cm)
Weight: 13.12 oz / yd2 (445 g / m2) ± 5%
Thickness: 0.022" (0.56 mm) ± 5%

Fenestration Data

		Fabric Properties					Fabric & Glass			
		Thermal			*Optical*		*Commercial*		*Residential*	
Color#	Color Name	Total Solar			Rv (%)	Tv (%)	SHGC % Improvement		SHGC	
		Rs (%)	As (%)	Ts (%)			Interior	Exterior	Interior	Exterior
030071	Charcoal/Apricot	11	86	3	11	2	18	82	0.55	0.11
002002	White/White	76	9	15	81	12	63	82	0.24	0.13
002007	White/Pearl	59	32	9	64	7	50	84	0.32	0.10
007020	Pearl/Linen	36	56	8	38	5	34	82	0.44	0.12
007007	Pearl/Pearl	32	63	5	34	4	26	84	0.45	0.11
030001	Charcoal/Grey	7	91	2	7	2	18	82	0.56	0.12
030030	Charcoal/Charcoal	4	95	1	4	1	16	82	0.57	0.11
002022	White/Stone	67	15	18	71	16	55	76	0.30	0.16
002020	White/Linen	67	18	15	72	12	55	79	0.29	0.14
020022	Linen/Stone	50	29	21	53	18	42	71	0.39	0.19
00M166	Linen/Sable-Cocoa	39	50	11	41	9	37	79	0.43	0.14
030010	Charcoal/Sable	10	87	3	10	2	18	82	0.55	0.12
030061	Charcoal/Cocoa	5	93	2	5	2	16	82	0.57	0.12

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 7.7 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 C423-17a: 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: rotary, ultrasonic, or crush
Welding: radio frequency, high frequency, impulse, hot air, wedge

Fire Classifications:
NFPA 701-19 TM#1, California U.S. Title 19
CAN/ULC-S109-14 Small Flame Test

Bacterial and Fungal Resistance:
ASTM E2180, ASTM G21

Environmental Benefits:
RoHS - Lead Free
GREENGUARD Gold

Acoustical Performance:
NRC: 0.50, SAA: 0.47

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.

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NFPA 701 CA Title #19 CAN/ULC-S109 | ASTM E2180 | ASTM G21 | hpd | GREENGUARD GOLD | 5 YEAR FABRIC WARRANTY EXTERIOR | 10 YEAR FABRIC WARRANTY INTERIOR | RoHS COMPLIANT

MERMET
Sun Control Textiles™

Product Specifications Sheet

M Screen™ 3%

Specifications

Product Category: Conventional
Openness Factor: 3%
UV Blockage: Approximately 97%
Fabric Style: Rib Weave
Item #: 008503

Composition: 36% fiberglass / 64% vinyl
Standard Packaging: Rolls of 34 ly (31 lm)
Width: 78" (200 cm), 98" (250 cm), 122" (310 cm)
Weight: 12.7 oz / yd2 (432 g / m2) ± 5%
Thickness: 0.022" (0.55 mm) ± 5%

Fenestration Data

		Fabric Properties					Fabric & Glass			
		Thermal			*Optical*		*Commercial*		*Residential*	
Color#	Color Name	Total Solar			Rv (%)	Tv (%)	SHGC % Improvement		SHGC	
		Rs (%)	As (%)	Ts (%)			Interior	Exterior	Interior	Exterior
030071	Charcoal/Apricot	13	82	5	14	5	18	84	0.59	0.11
002002	White/White	71	11	18	76	16	55	76	0.29	0.16
002007	White/Pearl	54	36	10	58	8	45	84	0.37	0.11
007020	Pearl/Linen	40	49	11	42	8	34	84	0.46	0.12
007007	Pearl/Pearl	34	59	7	36	5	29	87	0.48	0.10
030001	Charcoal/Grey	8	90	2	8	2	16	87	0.61	0.09
030030	Charcoal/Charcoal	4	93	3	4	3	13	84	0.63	0.10
002022	White/Stone	62	17	21	66	18	47	74	0.35	0.18
002020	White/Linen	64	21	15	67	11	50	82	0.33	0.13
020022	Linen/Stone	51	28	21	53	16	39	76	0.41	0.18
00M166	Linen/Sable-Cocoa	35	56	9	37	7	29	84	0.48	0.11
030010	Charcoal/Sable	12	84	4	13	4	18	84	0.59	0.10
030061	Charcoal/Cocoa	5	92	3	5	3	13	84	0.62	0.10

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 7.7 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 C423-17a: 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: rotary, ultrasonic, or crush
Welding: radio frequency, high frequency, impulse, hot air, wedge

Fire Classifications:
NFPA 701-19 TM#1, California U.S. Title 19
CAN/ULC-S109-14 Small & Large Flame Test

Bacterial and Fungal Resistance:
ASTM E2180, ASTM G21

Environmental Benefits:
RoHS - Lead Free
GREENGUARD Gold

Acoustical Performance:
NRC: 0.25, SAA: 0.24

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.

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Product Specifications Sheet

M Screen™ 5%

Specifications

Product Category: Conventional
Openness Factor: 5%
UV Blockage: Approximately 95%
Fabric Style: Rib Weave
Item #: 008505

Composition: 36% fiberglass / 64% vinyl
Standard Packaging: Rolls of 34 ly (31 lm)
Width: 78" (200 cm), 98" (250 cm), 122" (310 cm)
Weight: 11.3 oz / yd2 (384 g / m2) ± 5%
Thickness: 0.022" (0.55 mm) ± 5%

Fenestration Data

		Fabric Properties					Fabric & Glass			
		Thermal			*Optical*		*Commercial*		*Residential*	
Color#	Color Name	Total Solar			Rv (%)	Tv (%)	SHGC % Improvement		SHGC	
		Rs (%)	As (%)	Ts (%)			Interior	Exterior	Interior	Exterior
030071	Charcoal/Apricot	13	80	7	13	7	16	84	0.60	0.11
002002	White/White	71	10	19	75	16	55	76	0.30	0.16
002007	White/Pearl	52	33	15	56	12	42	79	0.40	0.14
007020	Pearl/Linen	39	49	12	41	9	32	82	0.47	0.13
007007	Pearl/Pearl	33	57	10	35	7	29	84	0.50	0.12
030001	Charcoal/Grey	8	86	6	8	5	13	84	0.63	0.11
030030	Charcoal/Charcoal	4	93	3	4	3	11	87	0.64	0.09
002022	White/Stone	61	18	21	65	18	47	74	0.36	0.18
002020	White/Linen	61	20	19	64	15	47	79	0.36	0.16
020022	Linen/Stone	50	28	22	52	18	37	74	0.42	0.19
00M166	Linen/Sable-Cocoa	36	52	12	37	10	29	82	0.49	0.13
030010	Charcoal/Sable	13	81	6	13	5	16	84	0.60	0.11
030061	Charcoal/Cocoa	5	90	5	5	4	13	84	0.64	0.10

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 7.7 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 C423-17a: 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: rotary, ultrasonic, or crush
Welding: radio frequency, high frequency, impulse, hot air, wedge

Fire Classifications:
NFPA 701-19 TM#1, California U.S. Title 19
CAN/ULC-S109-14 Small & Large Flame Test

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.

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