

M SCREEN™

M SCREEN™ 1% 3% 5% OPENNESS

 **SHADES BY MATISS**



WHITE WHITE



WHITE STONE



WHITE PEARL



WHITE LINEN



PEARL PEARL



PEARL LINEN



LINEN STONE



LINEN SABLE COCOA



CHARCOAL SABLE



CHARCOAL GREY



CHARCOAL COCOA



CHARCOAL CHARCOAL



CHARCOAL APRICOT

Vinyl coated fiberglass fabric constructed with a 1x2 rib weave pattern that gives a unique linen look and offers excellent thermal and visual comfort while also providing maximum transparency.

M SCREEN™

1% 3% 5% OPENNESS

SPECIFICATIONS

Fabric Style	UV Blockage	Composition	Standard Roll Length	Warranty
Rib Weave	Approximately 95%-99%	36% Fiberglass, 64% Vinyl	30 ly (27 lm)	5 Year Exterior / 10 Year Interior

M SCREEN™

Openness	Item No.	78" Available	98" Available	122" Available	Weight oz/ yd2 (±5%)	Thickness inches (±5%)
1%	008501		Yes	Yes	13.12	0.022
3%	008503		Yes	Yes	12.7	0.022
5%	008505		Yes	Yes	11.3	0.022

Available Colors

White/White	White/Linen
Pearl/Pearl	Charcoal/Apricot
White/Stone	Pearl/Linen
Linen/Sable-Cocoa	Charcoal/Charcoal
Charcoal/Cocoa	Linen/Stone
White/Pearl	Charcoal/Sable
Charcoal/Grey	



Sun Control Textiles™

Mermet Corporation
 5970 N. Main Street Cowpens, SC 29330
 1.866.902.9647 info@MermetUSA.com
 MermetUSA.com

Product performance and specification data is subject to change, visit www.Mermetusa.com for the most current information



M SCREEN™

PRODUCT SPECIFICATIONS SHEET

M Screen™ 1%

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/yd ² (445 g/m ²) ±5%
Thickness	0.022" (0.56 mm) ±5%

Color#	Color Name	Fabric Properties					Fabric & Class			
		Thermal			Optical		Commercial		Residential	
		Rs (%)	As (%)	Ts (%)	Rv (%)	Tv (%)	Interior	Exterior	Interior	Exterior
		Total Solar					SHGC % Improvement		SHGC	
A30A71	Charcoal/Apricot	11	86	3	11	2	18	82	0.55	0.11
A02A02	White/White	76	9	15	81	12	63	82	0.24	0.13
A02A07	White/Pearl	59	32	9	64	7	50	84	0.32	0.1
A07A20	Pearl/Linen	36	56	8	38	5	34	82	0.44	0.12
A07A07	Pearl/Pearl	32	63	5	34	4	26	84	0.45	0.11
A30A01	Charcoal/Grey	7	91	2	7	2	18	82	0.56	0.12
A30A30	Charcoal/Charcoal	4	95	1	4	1	16	82	0.57	0.11
A02A22	White/Stone	67	15	18	71	16	55	76	0.3	0.16
A02A20	White/Linen	67	18	15	72	12	55	79	0.29	0.14
A20A22	Linen/Stone	50	29	21	53	18	42	71	0.39	0.19
A0M166	Linen/Sable-Cocoa	39	50	11	41	9	37	79	0.43	0.14
A30A10	Charcoal/Sable	10	87	3	10	2	18	82	0.55	0.12
A30A61	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 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

Fabrication Methods:

Cutting: Crush, cold, or ultrasonic

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

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

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: 0.47



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Care and Cleaning

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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MASSACHUSETTS
H4900 COMPLIANT

M SCREEN™

PRODUCT SPECIFICATIONS SHEET

M Screen™ 3%

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	98" (250 cm), 122" (310 cm)
Weight	12.7 oz/yd ² (432 g/m ²) ±5%
Thickness	0.022" (0.55 mm) ±5%

Color#	Color Name	Fabric Properties					Fabric & Class			
		Thermal			Optical		Commercial		Residential	
		Rs (%)	As (%)	Ts (%)	Rv (%)	Tv (%)	Interior	Exterior	Interior	Exterior
		Total Solar					SHGC % Improvement		SHGC	
A30A71	Charcoal/Apricot	13	82	5	14	5	18	84	0.59	0.11
A02A02	White/White	71	11	18	76	16	55	76	0.29	0.16
A02A07	White/Pearl	54	36	10	58	8	45	84	0.37	0.11
A07A20	Pearl/Linen	40	49	11	42	8	34	84	0.46	0.12
A07A07	Pearl/Pearl	34	59	7	36	5	29	87	0.48	0.1
A30A01	Charcoal/Grey	8	90	2	8	2	16	87	0.61	0.09
A30A30	Charcoal/Charcoal	4	93	3	4	3	13	84	0.63	0.1
A02A22	White/Stone	62	17	21	66	18	47	74	0.35	0.18
A02A20	White/Linen	64	21	15	67	11	50	82	0.33	0.13
A20A22	Linen/Stone	51	28	21	53	16	39	76	0.41	0.18
A0M166	Linen/Sable-Cocoa	35	56	9	37	7	29	84	0.48	0.11
A30A10	Charcoal/Sable	12	84	4	13	4	18	84	0.59	0.1
A30A61	Charcoal/Cocoa	5	92	3	5	3	13	84	0.62	0.1

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

Fabrication Methods:

Cutting: Crush, cold, or ultrasonic

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

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Bacterial and Fungal Resistance:

ASTM E2180, ASTM G21

Environmental Benefits:

RoHS – Lead Free
GREENGUARD Gold

Acoustical Performance:

NRC: 0.25, SAA: 0.24

Care and Cleaning

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%

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	98" (250 cm), 122" (310 cm)
Weight	11.3 oz/yd ² (384 g/m ²) ±5%
Thickness	0.022" (0.55 mm) ±5%

Color#	Color Name	Fabric Properties					Fabric & Class			
		Thermal			Optical		Commercial		Residential	
		Rs (%)	As (%)	Ts (%)	Rv (%)	Tv (%)	Interior	Exterior	Interior	Exterior
		Total Solar					SHGC % Improvement		SHGC	
A30A71	Charcoal/Apricot	13	80	7	13	7	16	84	0.6	0.11
A02A02	White/White	71	10	19	75	16	55	76	0.3	0.16
A02A07	White/Pearl	52	33	15	56	12	42	79	0.4	0.14
A07A20	Pearl/Linen	39	49	12	41	9	32	82	0.47	0.13
A07A07	Pearl/Pearl	33	57	10	35	7	29	84	0.5	0.12
A30A01	Charcoal/Grey	8	86	6	8	5	13	84	0.63	0.11
A30A30	Charcoal/Charcoal	4	93	3	4	3	11	87	0.64	0.09
A02A22	White/Stone	61	18	21	65	18	47	74	0.36	0.18
A02A20	White/Linen	61	20	19	64	15	47	79	0.36	0.16
A20A22	Linen/Stone	50	28	22	52	18	37	74	0.42	0.19
A0M166	Linen/Sable-Cocoa	36	52	12	37	10	29	82	0.49	0.13
A30A10	Charcoal/Sable	13	81	6	13	5	16	84	0.6	0.11
A30A61	Charcoal/Cocoa	5	90	5	5	4	13	84	0.64	0.1

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Acoustical Performance:

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