



Sun Control Textiles™

Product Specifications Sheet

E Screen™ 0.5%

Specifications

Product Category: Conventional
Openness Factor: 0.5%
UV Blockage: Approximately 99.5%
Fabric Style: Basketweave
Item #: 007500

Composition: 36% fiberglass / 64% vinyl
Standard Packaging: Rolls of 34 ly (31 lm)
Width: 122" (310 cm)
Weight: 13.54 oz / yd2 (459 g / m2) ± 5%
Thickness: 0.023" (0.58 mm) ± 5%

Fenestration Data

		Fabric Properties						Fabric & Glass			
		Thermal				Optical		Commercial		Residential	
Color#	Color Name	Rs IR (%)	Total Solar			Rv (%)	Tv (%)	SHGC % Improvement		SHGC	
			Rs (%)	As (%)	Ts (%)			Interior	Exterior	Interior	Exterior
A30A01	Charcoal/Grey	7	7	93	0	7	0	18	82	0.57	0.11
A02A02	White/White	75	78	9	13	83	10	66	84	0.22	0.11
A02A20	White/Linen	69	71	16	13	76	9	58	84	0.26	0.12
A02A07	White/Pearl	61	64	28	8	69	6	55	87	0.29	0.09
A07A20	Pearl/Linen	38	39	55	6	41	3	37	84	0.43	0.10
A07A07	Pearl/Pearl	35	36	60	4	38	2	34	87	0.44	0.09
A07A01	Pearl/Grey	33	33	63	4	33	2	32	87	0.46	0.10
A0M122	Charcoal/Grey-Stone	8	8	92	0	8	0	18	84	0.56	0.11
A30A30	Charcoal/Charcoal	4	4	96	0	4	0	16	82	0.58	0.11
A30A61	Charcoal/Cocoa	12	9	91	0	6	0	18	84	0.56	0.11
A30A71	Charcoal/Apricot	10	10	90	0	10	0	21	84	0.55	0.11

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

Fire Classifications:

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

CAN/ULC-S109 Small & Large Flame Test

Bacterial and Fungal Resistance:

ASTM E2180, ASTM G21

Environmental Benefits:

RoHS - Lead Free

GREENGUARD Gold

Acoustical Performance:

NRC: 0.10, 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 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

E Screen™ 1%

Specifications

Product Category: Conventional
Openness Factor: 1%
UV Blockage: Approximately 99%
Fabric Style: Basketweave
Item #: 007501

Composition: 36% fiberglass / 64% vinyl
Standard Packaging: Rolls of 34 ly (31 lm)
Width: 78" (200 cm), 98" (250 cm), 122" (310 cm)
Weight: 13.3 oz / yd2 (452 g / m2) ± 5%
Thickness: 0.020" (0.52 mm) ± 5%

Fenestration Data

		Fabric Properties						Fabric & Glass			
		Thermal				Optical		Commercial		Residential	
Color#	Color Name	Rs IR (%)	Total Solar			Rv (%)	Tv (%)	SHGC % Improvement		SHGC	
			Rs (%)	As (%)	Ts (%)			Interior	Exterior	Interior	Exterior
A30A01	Charcoal/Grey	9	9	88	3	8	2	16	84	0.58	0.11
A02A02	White/White	73	75	11	14	80	11	61	82	0.25	0.12
A02A20	White/Linen	65	66	20	14	69	10	53	82	0.31	0.13
A02A07	White/Pearl	55	58	33	9	62	6	47	87	0.34	0.10
A07A20	Pearl/Linen	37	39	54	7	41	5	37	84	0.42	0.11
A07A07	Pearl/Pearl	31	33	62	5	35	3	34	84	0.45	0.10
A07A01	Pearl/Grey	30	29	66	5	30	3	29	84	0.47	0.11
A0M122	Charcoal/Grey-Stone	11	11	87	2	11	2	18	82	0.54	0.11
A30A30	Charcoal/Charcoal	3	4	95	1	4	1	13	84	0.60	0.10
A30A61	Charcoal/Cocoa	5	5	93	2	5	2	16	84	0.59	0.11
A30A71	Charcoal/Apricot	13	13	86	1	14	1	18	84	0.56	0.09

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

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: 0.35, SAA: 0.37

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

E Screen™ 3%

Specifications

Product Category: Conventional
Openness Factor: 3%
UV Blockage: Approximately 97%
Fabric Style: Basketweave
Item #: 007503

Composition: 36% fiberglass / 64% vinyl
Standard Packaging: Rolls of 34 ly (31 lm)
Width: 78" (200 cm), 98" (250 cm), 122" (310 cm)
Weight: 11.6 oz / yd2 (393 g / m2) ± 5%
Thickness: 0.017" (0.43 mm) ± 5%

Fenestration Data

		Fabric Properties						Fabric & Glass			
		Thermal				Optical		Commercial		Residential	
Color#	Color Name	Rs IR (%)	Total Solar			Rv (%)	Tv (%)	SHGC % Improvement		SHGC	
			Rs (%)	As (%)	Ts (%)			Interior	Exterior	Interior	Exterior
A30A01	Charcoal/Grey	11	10	85	5	10	5	16	84	0.60	0.11
A02A02	White/White	70	73	11	16	78	13	58	82	0.28	0.14
A02A20	White/Linen	63	63	21	16	66	12	47	82	0.34	0.14
A02A07	White/Pearl	49	52	38	10	56	8	42	84	0.38	0.11
A07A20	Pearl/Linen	38	39	48	13	42	11	34	79	0.44	0.15
A07A07	Pearl/Pearl	31	32	59	9	34	8	32	82	0.47	0.13
A07A01	Pearl/Grey	28	27	63	10	27	8	26	79	0.50	0.14
A0M122	Charcoal/Grey-Stone	13	13	80	7	13	6	18	79	0.55	0.14
A30A30	Charcoal/Charcoal	5	5	91	4	5	4	13	84	0.62	0.11
A30A61	Charcoal/Cocoa	7	7	89	4	7	3	13	84	0.62	0.10
A30A71	Charcoal/Apricot	18	18	75	7	18	7	18	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

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: 0.15, 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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Product Specifications Sheet

E Screen™ 5%

Specifications

Product Category: Conventional
Openness Factor: 5%
UV Blockage: Approximately 95%
Fabric Style: Basketweave
Item #: 007505

Composition: 36% fiberglass / 64% vinyl
Standard Packaging: Rolls of 34 ly (31 lm)
Width: 78" (200 cm), 98" (250 cm), 122" (310 cm)
Weight: 10.7 oz / yd2 (363 g / m2) ± 5%
Thickness: 0.016" (0.41 mm) ± 5%

Fenestration Data

		Fabric Properties						Fabric & Glass			
		Thermal				Optical		Commercial		Residential	
Color#	Color Name	Rs IR (%)	Total Solar			Rv (%)	Tv (%)	SHGC % Improvement		SHGC	
			Rs (%)	As (%)	Ts (%)			Interior	Exterior	Interior	Exterior
A30A01	Charcoal/Grey	11	10	83	7	10	7	16	82	0.62	0.12
A02A02	White/White	68	71	9	20	76	17	55	76	0.30	0.17
A02A20	White/Linen	61	62	18	20	65	16	47	76	0.36	0.17
A02A07	White/Pearl	49	51	37	12	55	9	39	84	0.40	0.12
A07A20	Pearl/Linen	36	37	48	15	40	12	34	76	0.45	0.16
A07A07	Pearl/Pearl	29	31	57	12	33	10	29	79	0.48	0.15
A07A01	Pearl/Grey	27	27	61	12	27	10	26	79	0.50	0.15
A0M122	Charcoal/Grey-Stone	11	12	79	9	12	9	18	76	0.56	0.15
A30A30	Charcoal/Charcoal	6	6	90	4	5	4	13	84	0.64	0.10
A30A61	Charcoal/Cocoa	6	6	87	7	6	7	13	82	0.64	0.12
A30A71	Charcoal/Apricot	15	15	78	7	16	6	18	84	0.59	0.11

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 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 NRC 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

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: 0.10, 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 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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Sun Control Textiles™

Product Specifications Sheet

E Screen™ 10%

Specifications

Product Category: Conventional
Openness Factor: 10%
UV Blockage: Approximately 90%
Fabric Style: Basketweave
Item #: 007510

Composition: 36% fiberglass / 64% vinyl
Standard Packaging: Rolls of 34 ly (31 lm)
Width: 78" (200 cm), 98" (250 cm), 122" (310 cm)
Weight: 10.3 oz / yd2 (350g / m2) ± 5%
Thickness: 0.020" (0.52 mm) ± 5%

Fenestration Data

		Fabric Properties						Fabric & Glass			
		Thermal				Optical		Commercial		Residential	
Color#	Color Name	Rs IR (%)	Total Solar			Rv (%)	Tv (%)	SHGC % Improvement		SHGC	
			Rs (%)	As (%)	Ts (%)			Interior	Exterior	Interior	Exterior
A30A01	Charcoal/Grey	9	8	80	12	8	11	11	82	0.65	0.14
A02A02	White/White	63	66	9	25	70	22	50	71	0.35	0.21
A02A20	White/Linen	57	58	17	25	62	22	42	71	0.39	0.21
A02A07	White/Pearl	48	50	30	20	54	18	37	74	0.43	0.18
A07A20	Pearl/Linen	34	35	46	19	37	17	32	76	0.48	0.19
A07A07	Pearl/Pearl	29	30	54	16	31	14	26	76	0.50	0.17
A07A01	Pearl/Grey	27	26	58	16	26	14	24	74	0.52	0.17
A0M122	Charcoal/Grey-Stone	10	10	79	11	11	11	16	76	0.58	0.16
A30A30	Charcoal/Charcoal	3	3	85	12	4	12	8	79	0.67	0.14
A30A61	Charcoal/Cocoa	5	5	84	11	5	11	11	82	0.66	0.13
A30A71	Charcoal/Apricot	14	14	72	14	14	13	16	79	0.62	0.15

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

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: 0.05, SAA: 0.06

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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