MERMET
Sun Control Textiles™

Product Specifications Sheet

E Screen 1%

Specifications

Product Category:	Conventional	**Composition:**	36% fiberglass / 64% vinyl
Openness Factor:	1%	**Standard Packaging:**	Rolls of 30 ly (27 lm)
UV Blockage:	Approximately 99%	**Width:**	78" (200 cm), 98" (250 cm), 122" (310 cm)
Fabric Style:	Basketweave	**Weight:**	13.3 oz / yd2 (452 g / m2) ± 5%
Item #:	007501	**Thickness:**	.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
030001	Charcoal/Grey	9	9	88	3	8	2	16	84	0.58	0.11
002002	White/White	73	75	11	14	80	11	61	82	0.25	0.12
002020	White/Linen	65	66	20	14	69	10	53	82	0.31	0.13
002007	White/Pearl	55	58	33	9	62	6	47	87	0.34	0.10
007020	Pearl/Linen	37	39	54	7	41	5	37	84	0.42	0.11
007007	Pearl/Pearl	31	33	62	5	35	3	34	84	0.45	0.10
007001	Pearl/Grey	30	29	66	5	30	3	29	84	0.47	0.11
00M122	Charcoal/Grey-Stone	11	11	87	2	11	2	18	82	0.54	0.11
030030	Charcoal/Charcoal	3	4	95	1	4	1	13	84	0.60	0.10
030061	Charcoal/Cocoa	5	5	93	2	5	2	16	84	0.59	0.11
030071	Charcoal/Apricot	13	13	86	1	14	1	18	84	0.56	0.09

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 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

Bacterial and Fungal Resistance:
ASTM E2180, ASTM G21

Environmental Benefits:
RoHS - Lead Free

Acoustical Performance:
NRC: 0.50, SAA: 0.50

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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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 30 ly (27 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
030001	Charcoal/Grey	11	10	85	5	10	5	16	84	0.60	0.11
002002	White/White	70	73	11	16	78	13	58	82	0.28	0.14
002020	White/Linen	63	63	21	16	66	12	47	82	0.34	0.14
002007	White/Pearl	49	52	38	10	56	8	42	84	0.38	0.11
007020	Pearl/Linen	38	39	48	13	42	11	34	79	0.44	0.15
007007	Pearl/Pearl	31	32	59	9	34	8	32	82	0.47	0.13
007001	Pearl/Grey	28	27	63	10	27	8	26	79	0.50	0.14
00M122	Charcoal/Grey-Stone	13	13	80	7	13	6	18	79	0.55	0.14
030030	Charcoal/Charcoal	5	5	91	4	5	4	13	84	0.62	0.11
030061	Charcoal/Cocoa	7	7	89	4	7	3	13	84	0.62	0.10
030071	Charcoal/Apricot	18	18	75	7	18	7	18	82	0.57	0.12

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 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

Bacterial and Fungal Resistance:
ASTM E2180, ASTM G21

Environmental Benefits:
RoHS - Lead Free

Acoustical Performance:
NRC: 0.15, SAA: 0.17

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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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 30 ly (27 lm)
Width: 78" (200 cm), 98" (250 cm), 122" (310 cm)
Weight: 10.7 oz / yd2 (363 g / m2) ± 5%
Thickness: .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
030001	Charcoal/Grey	11	10	83	7	10	7	16	82	0.62	0.12
002002	White/White	68	71	9	20	76	17	55	76	0.30	0.17
002020	White/Linen	61	62	18	20	65	16	47	76	0.36	0.17
002007	White/Pearl	49	51	37	12	55	9	39	84	0.40	0.12
007020	Pearl/Linen	36	37	48	15	40	12	34	76	0.45	0.16
007007	Pearl/Pearl	29	31	57	12	33	10	29	79	0.48	0.15
007001	Pearl/Grey	27	27	61	12	27	10	26	79	0.50	0.15
00M122	Charcoal/Grey-Stone	11	12	79	9	12	9	18	76	0.56	0.15
030030	Charcoal/Charcoal	6	6	90	4	5	4	13	84	0.64	0.10
030061	Charcoal/Cocoa	6	6	87	7	6	7	13	82	0.64	0.12
030071	Charcoal/Apricot	15	15	78	7	16	6	18	84	0.59	0.11

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 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

Bacterial and Fungal Resistance:
ASTM E2180, ASTM G21

Environmental Benefits:
RoHS - Lead Free

Acoustical Performance:
NRC: 0.10, SAA: 0.12

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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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 30 ly (27 lm)
Width: 78" (200 cm), 98" (250 cm), 122" (310 cm)
Weight: 10.3 oz / yd2 (350g / m2) ± 5%
Thickness: .020" (0.52 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
030001	Charcoal/Grey	8	80	12	8	11	11	82	0.65	0.14
002002	White/White	66	9	25	70	22	50	71	0.35	0.21
002020	White/Linen	58	17	25	62	22	42	71	0.39	0.21
002007	White/Pearl	50	30	20	54	18	37	74	0.43	0.18
007020	Pearl/Linen	35	46	19	37	17	32	76	0.48	0.19
007007	Pearl/Pearl	30	54	16	31	14	26	76	0.50	0.17
007001	Pearl/Grey	26	58	16	26	14	24	74	0.52	0.17
00M122	Charcoal/Grey-Stone	10	79	11	11	11	16	76	0.58	0.16
030030	Charcoal/Charcoal	3	85	12	4	12	8	79	0.67	0.14
030061	Charcoal/Cocoa	5	84	11	5	11	11	82	0.66	0.13
030071	Charcoal/Apricot	14	72	14	14	13	16	79	0.62	0.15

The fabric performance tests were conducted in accordance with ASTM E891 & ASTM E903-96: Total Solar Transmittance (Ts), Total Solar Reflectance (Rs), 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 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

Bacterial and Fungal Resistance:
ASTM E2180, ASTM G21

Environmental Benefits:
RoHS - Lead Free

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 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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