



Sun Control Textiles™

Product Specifications Sheet

T Screen™ 1%

Specifications

Product Category: Conventional
Openness Factor: 1%
UV Blockage: Approximately 99%
Fabric Style: Satin
Item #: 006701

Composition: 36% fiberglass / 64% vinyl
Standard Packaging: Rolls of 30 ly (27 lm)
Width: 78" (200cm), 122" (310 cm)
Weight: 13.83 oz / yd2 (469 g / m2) ± 5%
Thickness: 0.027" (0.70 mm) ± 5%

Fenestration Data

Color#	Color Name	Side*	Fabric Properties						Fabric & Glass			
			Thermal			Optical			Commercial		Residential	
			Rs IR (%)	Total Solar			Rv (%)	Tv (%)	SHGC % Improvement		SHGC	
Rs (%)	As (%)	Ts (%)		Interior	Exterior	Interior			Exterior			
002002	White/White	street (white)	73	76	8	16	81	14	63	79	0.24	0.13
		room	73	76	8	16	81	14	63	79	0.24	0.14
02M228	White/White-Steel	street (white)	69	72	16	12	77	10	61	84	0.25	0.11
		room	59	59	28	13	61	11	47	79	0.33	0.14
002001	White/Grey	street (white)	63	65	27	8	69	6	55	87	0.29	0.08
		room	37	34	57	9	32	7	32	79	0.45	0.13
002030	White/Charcoal	street (white)	56	60	36	4	65	4	53	89	0.31	0.07
		room	15	17	78	5	19	4	24	79	0.52	0.13
007030	Pearl/Charcoal	street (pearl)	26	28	69	3	30	3	32	84	0.47	0.10
		room	9	10	86	4	10	3	18	82	0.55	0.12
07M387	Pearl/Charcoal-Fawn	street (pearl)	29	30	66	4	31	3	32	84	0.46	0.10
		room	17	16	80	4	17	3	24	82	0.52	0.12
07M287	Pearl/Stone-Fawn	street (pearl)	32	33	60	7	35	5	32	82	0.45	0.12
		room	33	33	60	7	34	5	32	82	0.45	0.12
030002	Charcoal/White	street (charcoal)	9	10	87	3	11	3	18	82	0.55	0.12
		room	42	45	52	3	49	3	42	87	0.38	0.08
30M102	Charcoal/Grey-White	street (charcoal)	7	7	91	2	8	2	18	82	0.56	0.12
		room	29	30	68	2	31	2	32	84	0.46	0.09
00M122	Charcoal/Grey-Stone	street (charcoal)	6	6	91	3	6	3	18	79	0.56	0.13
		room	21	22	75	3	22	3	26	84	0.50	0.10
30M328	Charcoal/Charcoal-Steel	street (charcoal)	5	5	93	2	5	2	16	82	0.57	0.12
		room	12	12	86	2	12	2	21	82	0.54	0.11
30M329	Charcoal/Charcoal-Iron	street (charcoal)	4	4	94	2	4	2	16	82	0.57	0.12
		room	7	6	92	2	6	2	18	82	0.56	0.12

*Room side: identified by the weft color side; Street side: identified by the warp color side

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 Absorbance (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. 200-275°F. 5-10s.

Radio frequency, impulse, hot air, or 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.

5970 N. Main Street • Cowpens, SC 29330

Sales Department: Ph (866) 902-9647

info@MermetUSA.com





Sun Control Textiles™

Product Specifications Sheet

T Screen™ 3%

Specifications

Product Category: Conventional
Openness Factor: 3%
UV Blockage: Approximately 97%
Fabric Style: Satin
Item #: 006703

Composition: 36% fiberglass / 64% vinyl
Standard Packaging: Rolls of 30 ly (27 lm)
Width: 78" (200cm), 122" (310 cm)
Weight: 12.59 oz / yd2 (427 g / m2) ± 5%
Thickness: 0.027" (0.68 mm) ± 5%

Fenestration Data

Color#	Color Name	Side*	Fabric Properties						Fabric & Glass			
			Thermal			Optical			Commercial		Residential	
			Rs IR (%)	Total Solar			Rv (%)	Tv (%)	SHGC % Improvement		SHGC	
Rs (%)	As (%)	Ts (%)		Interior	Exterior	Interior			Exterior			
002002	White/White	street (white)	72	74	8	18	79	16	61	76	0.25	0.15
		room	72	74	8	18	79	16	61	76	0.25	0.15
02M228	White/White-Steel	street (white)	66	69	16	15	74	12	58	82	0.28	0.13
		room	58	58	26	16	61	14	47	76	0.34	0.16
002001	White/Grey	street (white)	61	63	27	10	67	8	53	87	0.30	0.10
		room	39	36	52	12	35	9	32	79	0.45	0.15
002030	White/Charcoal	street (white)	55	59	35	6	64	5	53	87	0.31	0.08
		room	18	20	73	7	22	7	26	79	0.51	0.14
007030	Pearl/Charcoal	street (pearl)	27	28	68	4	30	4	29	84	0.47	0.11
		room	9	10	85	5	11	4	18	79	0.55	0.13
07M387	Pearl/Charcoal-Fawn	street (pearl)	29	30	64	6	31	5	32	84	0.47	0.11
		room	17	17	77	6	18	5	24	79	0.52	0.13
07M287	Pearl/Stone-Fawn	street (pearl)	32	32	59	9	34	7	32	82	0.46	0.13
		room	33	33	58	9	34	7	32	82	0.46	0.13
030002	Charcoal/White	street (charcoal)	8	9	87	4	10	4	18	79	0.55	0.13
		room	37	40	56	4	44	4	39	87	0.41	0.09
30M102	Charcoal/Grey-White	street (charcoal)	6	7	89	4	8	4	18	79	0.56	0.13
		room	26	27	69	4	28	3	29	84	0.48	0.10
00M122	Charcoal/Grey-Stone	street (charcoal)	5	6	90	4	6	4	16	76	0.57	0.13
		room	20	20	76	4	20	4	24	82	0.51	0.11
30M328	Charcoal/Charcoal-Steel	street (charcoal)	4	5	92	3	5	3	16	79	0.57	0.13
		room	11	11	86	3	12	3	21	82	0.54	0.12
30M329	Charcoal/Charcoal-Iron	street (charcoal)	4	4	93	3	4	3	16	79	0.57	0.12
		room	7	7	90	3	6	3	18	82	0.56	0.12

*Room side: identified by the weft color side; Street side: identified by the warp color side

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