

# Product Specifications Sheet

## Satiné™ 1%

### Specifications

<b>Product Category:</b>	Reinforced Core	<b>Composition:</b>	42% fiberglass / 58% vinyl
<b>Openness Factor:</b>	1%	<b>Standard Packaging:</b>	Rolls of 30 ly (27 lm)
<b>UV Blockage:</b>	Approximately 99%	<b>Width:</b>	122" (310 cm)
<b>Fabric Style:</b>	Twill	<b>Weight:</b>	17.8 oz / yd2 (605 g / m2) ± 5%
<b>Item #:</b>	005701	<b>Thickness:</b>	0.033" (0.83 mm) ± 5%

### Fenestration Data

			Fabric Properties						Fabric & Glass			
			Thermal				Optical		Commercial		Residential	
Color#	Color Name	Side*	Rs IR (%)	Total Solar			Rv (%)	Tv (%)	SHGC % Improvement		SHGC	
				Rs (%)	As (%)	Ts (%)			Interior	Exterior	Interior	Exterior
830830	Charcoal/Charcoal	Side 1	4	4	95	1	4	1	16	82	0.57	0.12
		Side 2	4	4	95	1	4	1	16	82	0.57	0.12
80M386	Charcoal/Charcoal-Auburn	Side 1	6	6	93	1	6	1	16	82	0.56	0.12
		Side 2	6	6	93	1	6	1	16	82	0.56	0.12
830861	Charcoal/Cocoa	Side 1	5	6	93	1	6	1	18	82	0.56	0.11
		Side 2	6	6	93	1	6	1	18	82	0.56	0.11
80M687	Charcoal/Cocoa-Fawn	Side 1	8	8	91	1	8	1	18	82	0.56	0.11
		Side 2	10	9	90	1	9	1	18	82	0.55	0.11
80M301	Charcoal/Charcoal-Grey	Side 1	8	7	91	2	7	2	18	82	0.56	0.12
		Side 2	9	8	90	2	7	2	18	82	0.56	0.12
80M394	Charcoal/Charcoal-Navy	Side 1	9	7	92	1	5	1	16	82	0.56	0.11
		Side 2	10	7	92	1	5	1	16	82	0.56	0.11
830892	Charcoal/Garnet	Side 1	7	6	93	1	6	1	18	82	0.56	0.11
		Side 2	7	6	93	1	6	1	18	82	0.56	0.11
80M230	Grey/Fog-Charcoal	Side 1	25	23	74	3	21	2	26	84	0.50	0.11
		Side 2	25	23	74	3	21	2	26	84	0.50	0.11
801894	Grey/Navy	Side 1	30	21	74	5	13	2	21	82	0.52	0.12
		Side 2	32	21	74	5	12	2	21	82	0.52	0.12
810893	Sable/Forest	Side 1	26	24	73	3	22	2	26	84	0.49	0.10
		Side 2	21	18	79	3	16	2	24	84	0.52	0.11
80M986	Sable/Garnet-Auburn	Side 1	27	25	73	2	24	2	26	84	0.48	0.10
		Side 2	22	20	78	2	19	2	24	84	0.51	0.10
810888	Sable/Wood	Side 1	31	28	68	4	27	2	29	84	0.47	0.10
		Side 2	27	25	71	4	23	3	26	84	0.49	0.11

\*Side 1: Identified by the dominant diagonal line moving up to the Left ; Side 2: Identified by the dominant diagonal line moving up to the Right

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. 200-275°F. 5-10s.

Radio frequency, impulse, hot air, or wedge

**Ultraviolet Protection Factor (UPF):**

50+ (Excellent UV-Protection)

#### 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](http://www.MermetUSA.com).

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# Product Specifications Sheet

## Satiné™ 5%

### Specifications

**Product Category:** Reinforced Core

**Openness Factor:** 5%

**UV Blockage:** Approximately 95%

**Fabric Style:** Twill

**Item #:** 005705

**Composition:** 42% fiberglass / 58% vinyl

**Standard Packaging:** Rolls of 30 ly (27 lm)

**Width:** 122" (310 cm)

**Weight:** 15.4 oz / yd2 (522 g / m2) ± 5%

**Thickness:** 0.032" (0.81 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
830830	Charcoal/Charcoal	Side 1	4	4	91	5	4	5	16	79	0.59	0.13
		Side 2	4	4	91	5	4	5	16	79	0.59	0.13
80M386	Charcoal/Charcoal-Auburn	Side 1	5	5	90	5	5	5	16	79	0.58	0.13
		Side 2	6	6	89	5	6	5	16	79	0.58	0.13
830861	Charcoal/Cocoa	Side 1	4	5	90	5	5	5	16	79	0.58	0.13
		Side 2	5	5	91	4	5	4	16	79	0.58	0.13
80M687	Charcoal/Cocoa-Fawn	Side 1	9	8	87	5	7	5	16	79	0.57	0.13
		Side 2	9	9	86	5	8	4	16	79	0.57	0.13
80M301	Charcoal/Charcoal-Grey	Side 1	6	6	87	7	6	6	16	79	0.58	0.14
		Side 2	8	7	86	7	7	6	16	79	0.58	0.14
80M394	Charcoal/Charcoal-Navy	Side 1	8	6	89	5	5	4	16	79	0.58	0.13
		Side 2	10	7	88	5	5	4	16	79	0.57	0.13
830892	Charcoal/Garnet	Side 1	6	5	91	4	5	4	16	79	0.58	0.13
		Side 2	6	5	91	4	5	4	16	79	0.58	0.13
80M230	Grey/Fog-Charcoal	Side 1	25	22	69	9	21	7	24	79	0.52	0.14
		Side 2	23	22	69	9	21	7	24	79	0.52	0.14
801894	Grey/Navy	Side 1	28	21	70	9	14	6	21	79	0.53	0.14
		Side 2	30	20	71	9	12	6	18	79	0.53	0.14
810893	Sable/Forest	Side 1	26	24	68	8	23	7	24	82	0.51	0.13
		Side 2	20	20	72	8	18	7	21	79	0.53	0.14
80M986	Sable/Garnet-Auburn	Side 1	27	25	67	8	24	7	26	82	0.50	0.13
		Side 2	23	21	71	8	20	7	24	79	0.52	0.14
810888	Sable/Wood	Side 1	30	28	63	9	27	7	26	82	0.49	0.13
		Side 2	27	25	66	9	24	8	26	79	0.50	0.14

\*Side 1: Identified by the dominant diagonal line moving up to the Left ; Side 2: Identified by the dominant diagonal line moving up to the Right

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. 200-275°F. 5-10s.

Radio frequency, impulse, hot air, or wedge

**Ultraviolet Protection Factor (UPF):**

15-24 (Good UV-Protection)

0-14 (Not rated for UV-Protection)

### 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](http://www.MermetUSA.com).

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