



Sun Control Textiles™

# Product Specifications Sheet

## Natte™ 5%

### Specifications

**Product Category:** Conventional  
**Openness Factor:** 5%  
**UV Blockage:** Approximately 95%  
**Fabric Style:** Basketweave  
**Item #:** 004505

**Composition:** 42% fiberglass / 58% vinyl  
**Standard Packaging:** Rolls of 55 ly (50 lm)  
**Width:** 98" (250 cm), 122" (310 cm)\*  
**Weight:** 14.13 oz / yd2 (479 g / m2) ± 5%  
**Thickness:** 0.022" (0.56 mm) ± 5%



### Fenestration Data

Color#	Color Name	Fabric Properties					Fabric & Glass			
		Thermal			Optical		Commercial		Residential	
		Total Solar			Rv (%)	Tv (%)	SHGC % Improvement		SHGC	
		Rs (%)	As (%)	Ts (%)			Interior	Exterior	Interior	Exterior
902920	White/Linen	61	21	18	65	15	50	76	0.33	0.16
902902	White/White	72	10	18	77	16	55	79	0.29	0.16
902907	White/Pearl	48	40	12	51	10	42	82	0.39	0.13
961901	Cocoa/Grey	14	78	8	13	7	18	79	0.55	0.14
961923	Cocoa/Straw	29	63	8	30	7	26	84	0.52	0.11
961961	Cocoa/Cocoa	8	85	7	8	7	13	82	0.63	0.12
930961	Charcoal/Cocoa	6	87	7	6	8	13	82	0.64	0.12
930930	Charcoal/Charcoal	4	89	7	4	7	13	76	0.59	0.15

\*122" (310 cm) available in select colors-Charcoal/Charcoal (930930) & Charcoal/Cocoa (930961). Roll length of this width is 30 ly (27 lm).

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 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 / 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 C423-09a: 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: 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

#### Environmental Benefits:

RoHS - Lead Free

#### Bacterial and Fungal Resistance:

ASTM E2180, ASTM G21

#### 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.

5970 N. Main Street • Cowpens, SC 29330

Sales Department: Ph (866) 902-9647

info@mermetusa.com

## Natte™ 10%

### Specifications

**Product Category:** Conventional  
**Openness Factor:** 10%  
**UV Blockage:** Approximately 90%  
**Fabric Style:** Basketweave  
**Item #:** 004500

**Composition:** 42% fiberglass / 58% vinyl  
**Standard Packaging:** Rolls of 55 ly (50 lm)  
**Width:** 98" (250 cm), 122" (310 cm)\*  
**Weight:** 13.48 oz / yd<sup>2</sup> (457 g / m<sup>2</sup>) ± 5%  
**Thickness:** 0.021" (0.53 mm) ± 5%



### Fenestration Data

Color#	Color Name	Fabric Properties					Fabric & Glass			
		Thermal			Optical		Commercial		Residential	
		Total Solar			Rv (%)	Tv (%)	SHGC % Improvement		SHGC	
		Rs (%)	As (%)	Ts (%)			Interior	Exterior	Interior	Exterior
902920	White/Linen	59	20	21	63	19	45	74	0.38	0.18
902902	White/White	70	8	22	75	20	53	74	0.32	0.19
902907	White/Pearl	49	36	15	52	14	37	79	0.43	0.14
961901	Cocoa/Grey	13	77	10	12	10	13	82	0.63	0.12
961923	Cocoa/Straw	25	64	11	26	11	21	82	0.56	0.13
961961	Cocoa/Cocoa	7	84	9	7	9	11	82	0.65	0.12
930961	Charcoal/Cocoa	5	82	13	5	13	11	79	0.67	0.15
930930	Charcoal/Charcoal	4	83	13	4	13	8	79	0.67	0.15

\*122" (310 cm) available in select colors-Charcoal/Charcoal (930930) & Charcoal/Cocoa (930961). Roll length of this width is 30 ly (27 lm).

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 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 / 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 C423-09a: 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](mailto:info@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

#### Environmental Benefits:

RoHS - Lead Free

#### Bacterial and Fungal Resistance:

ASTM E2180, ASTM G21

#### Acoustical Performance:

NRC: 0.05, SAA: 0.04

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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