



Sun Control Textiles™

# Product Specifications Sheet

## Sparta Twilight™

### Specifications

**Product Category:** Privacy  
**Openness Factor:** 0%  
**UV Blockage:** Approximately 100%  
**Fabric Style:** Blackout  
**Item #s:** W04942 - White Backing  
M04942 - Color Matched Backing

**Composition:** 33% polyester / 67% acrylic  
**Standard Packaging:** Rolls of 33 ly (30 lm)  
**Width:** 126" (320 cm)  
**Weight:** 9.9 oz / yd2 (336 g / m2) ± 10%  
**Thickness:** 0.014" (0.35 mm) ± 10%

### Fenestration Data

W04942 - White Backing			Fabric Properties						Fabric & Glass		Illuminance	
			Thermal			Optical			Commercial	Residential		
Color #	Color Name	Side*	Rs IR (%)	Total Solar			Rv (%)	Tv (%)	SHGC % Improvement	SHGC	Blackout %	Glow %
				Rs (%)	As (%)	Ts (%)						
016002	Chalk/White	street	68	73	27	0	81	0	63	0.22	100	0
		room	63	64	36	0	68	0	55	0.28	100	0
042002	Gypsum/White	street	67	72	28	0	80	0	63	0.22	99	1
		room	70	72	28	0	78	0	61	0.23	99	1
001002	Pewter/White	street	66	72	28	0	79	0	63	0.23	100	0
		room	16	18	82	0	39	0	37	0.47	100	0
070002	Emery/White	street	68	73	27	0	81	0	63	0.22	100	0
		room	9	9	91	0	9	0	18	0.55	100	0
060002	Black/White	street	66	72	28	0	80	0	63	0.22	100	0
		room	4	4	96	0	4	0	16	0.57	100	0

### M04942 - Color Matched Backing

002002	White/White	street	65	71	29	0	80	0	63	0.23	89	11
		room	70	75	25	0	84	0	66	0.20	89	11
001001	Pewter/Pewter	street	17	18	82	0	20	0	24	0.51	100	0
		room	16	18	82	0	20	0	24	0.51	100	0
070070	Emery/Emery	street	8	9	91	0	10	0	18	0.55	100	0
		room	9	9	91	0	9	0	18	0.55	100	0

\*Room side: identified by the fabric side; Street side: identified by the coated side

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 / 1/8" 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 C423-17a: 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.  
Tape may improve weld strength.  
Mermet 103218 Tape. 325°F. 15s.  
Radio frequency, impulse, hot air, wedge

### Fire Classifications:

NFPA 701 TM#1, California U.S. Title 19  
CAN/ULC-S109 Small & Large Flame Test  
**Bacterial Resistance:**  
ASTM E2180

### Environmental Benefits:

RoHS - Lead Free  
GREENGUARD Gold  
**Acoustical Performance:**  
NRC: 0.00, SAA: 0.02

We recommend testing all cutting and welding methods or settings with your equipment 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. Handling: Support the full width of the roll to prevent uneven distribution of weight and fabric deformation.

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