



### Avila Twilight Solid™

#### Specifications

**Product Category:** Privacy

**Openness Factor:** 0%

**UV Blockage:** Approximately 100%

**Fabric Style:** Blackout

**Item #:** 082336

**Composition:** 37.5% polyester / 62.5% acrylic

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

**Width:** 118" (300 cm)

**Weight:** 12.40 oz / yd2 (420 g / m2) ± 10%

**Thickness:** 0.016" (0.41 mm) ± 10%

#### Fenestration Data

Color#	Color Name	Side*	Fabric Properties						Fabric & Glass		Illuminance	
			Rs IR (%)	Thermal			Optical		SHGC % Improvement	Blackout %	Glow %	
				Rs (%)	As (%)	Ts (%)	Rv (%)	Tv (%)				
002002	White/White	street	64	69	31	0	76	0	61	87	13	
		room	75	81	19	0	88	0	66	87	13	
017017	Canvas/Canvas	street	65	68	32	0	73	0	58	98	2	
		room	71	75	25	0	79	0	63	98	2	
020020	Linen/Linen	street	53	54	46	0	57	0	47	93	7	
		room	59	60	40	0	62	0	50	93	7	
016016	Chalk/Chalk	street	64	63	37	0	70	0	55	96	4	
		room	59	66	34	0	70	0	55	96	4	
012012	Frost/Frost	street	45	48	52	0	53	0	45	97	3	
		room	51	53	47	0	57	0	47	97	3	
018018	Ash/Ash	street	33	32	68	0	32	0	34	99	1	
		room	30	32	68	0	34	0	34	99	1	
000101	Pewter/Pewter	street	19	19	81	0	20	0	26	100	0	
		room	16	17	83	0	19	0	24	100	0	
050050	Graphite/Graphite	street	7	7	93	0	7	0	18	100	0	
		room	9	7	93	0	7	0	18	100	0	
006060	Black/Black	street	4	4	96	0	4	0	16	100	0	
		room	4	3	97	0	3	0	24	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 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 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: heat impulse, high-frequency. For exception weld bond strength, Mermet highly recommends our stocked adhesive film tape (Item # 103218).

#### Fire Classifications:

NFPA 701-10 TM#1, California U.S. Title 19

CAN/ULC-S109 Small & Large scale

#### Bacterial Resistance:

ASTM E2180

#### Environmental Benefits:

RoHS - Lead Free

#### Acoustical Performance:

NRC: 0.05, SAA: 0.03

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. The front side of Avila is treated with DURAGUARD® Fabric Protector and can therefore be spot cleaned by gently blotting with a sponge or soft brush dipped in lukewarm soapy water using a mild detergent. The foam coating on the back side should not get wet. A dry chemical sponge or clean white pencil eraser can be used to remove small stains.

5970 N. Main Street • Cowpens, SC 29330

Sales Department: Ph (866) 902-9647

[info@mermetusa.com](mailto:info@mermetusa.com)



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		room	77	81	19	0	88	0	66	96	4	
000017	Canvas	street	61	65	35	0	71	0	58	93	7	
		room	74	75	25	0	79	0	63	93	7	
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000016	Chalk	street	64	63	37	0	70	0	55	96	4	
		room	59	66	34	0	70	0	55	96	4	
000012	Frost	street	54	58	42	0	64	0	53	91	9	
		room	52	53	47	0	57	0	47	91	9	
000018	Ash	street	56	60	40	0	66	0	53	98	2	
		room	30	32	68	0	34	0	34	98	2	
000001	Pewter	street	55	60	40	0	67	0	53	100	0	
		room	15	17	83	0	19	0	24	100	0	
000050	Graphite	street	56	60	40	0	66	0	53	100	0	
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