



Avila Twilight

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: 12.86 oz / yd2 (436 g / m2) ± 5%
Thickness: .017" (0.43 mm) ± 5%

Fenestration Data

Color#	Color Name	Side*	Fabric Properties					Fabric & Glass	Illuminance	
			Thermal			Optical			SHGC % Improvement	Blackout %
			Total Solar			Rv (%)	Tv (%)			
Rs (%)	As (%)	Ts (%)								
000002	White	room	81	19	0	88	0	66	97	3
		street	65	35	0	71	0	58	97	3
000016	Chalk	room	66	34	0	70	0	55	99	1
		street	63	37	0	70	0	55	99	1
000017	Canvas	room	75	25	0	79	0	63	96	4
		street	65	35	0	71	0	58	96	4
000020	Linen	room	60	40	0	62	0	50	100	0
		street	65	35	0	70	0	55	100	0
C00015	Khaki	room	39	61	0	41	0	37	100	0
		street	65	35	0	71	0	58	100	0
000014	Marine	room	46	54	0	29	0	32	100	0
		street	65	35	0	71	0	58	100	0
000101	Pewter	room	18	82	0	20	0	26	100	0
		street	19	81	0	20	0	26	100	0
030030	Charcoal	room	38	62	0	15	0	24	100	0
		street	9	91	0	9	0	18	100	0
006060	Black	room	4	96	0	3	0	16	100	0
		street	4	96	0	4	0	16	100	0

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

The fabric performance tests were conducted in accordance with ASTM E891 & ASTM E903-96: Solar Transmittance (Ts), Solar Reflectance (Rs), 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. 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 the Mermet Technical Department at: www.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 and Fungal Resistance:

ASTM E2180, ASTM G21

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



Avila Twilight

Fire rated for residential applications

Specifications

Product Category: Privacy

Openness Factor: 0%

UV Blockage: Approximately 100%

Fabric Style: Blackout

Item #: 063328

Composition: 37.5% polyester / 62.5% acrylic

Standard Packaging: Rolls of 30 ly (27 lm)

Width: 118" (300 cm)

Weight: 13.33 oz / yd² (452 g / m²) ± 5%

Thickness: .020" (0.57 mm) ± 5%

Fenestration Data

Color#	Color Name	Side*	Fabric Properties					SHGC	Illuminance	
			Thermal			Optical			Blackout %	Glow %
			Total Solar			Rv (%)	Tv (%)			
Rs (%)	As (%)	Ts (%)								
000002	White	room	84	16	0	91	0	0.15	100	0
		street	68	32	0	74	0	0.25	100	0
000016	Chalk	room	65	35	0	69	0	0.27	100	0
		street	68	32	0	74	0	0.25	100	0
000017	Canvas	room	75	25	0	79	0	0.22	98	2
		street	69	31	0	74	0	0.25	98	2
000020	Linen	room	59	41	0	61	0	0.31	100	0
		street	68	32	0	74	0	0.25	100	0
C00015	Khaki	room	38	62	0	41	0	0.41	100	0
		street	69	31	0	74	0	0.25	100	0
000014	Marine	room	46	54	0	28	0	0.41	100	0
		street	68	32	0	74	0	0.25	100	0
000001	Pewter	room	18	82	0	19	0	0.51	100	0
		street	67	33	0	74	0	0.25	100	0
000030	Charcoal	room	40	60	0	15	0	0.44	100	0
		street	68	32	0	74	0	0.25	100	0
000060	Black	room	4	96	0	4	0	0.57	100	0
		street	68	32	0	74	0	0.25	100	0

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

The fabric performance tests were conducted in accordance with ASTM E891 & ASTM E903-96: Solar Transmittance (Ts), Solar Reflectance (Rs), 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 and 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 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 the Mermet Technical Department at: www.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 and Fungal Resistance:

ASTM E2180, ASTM G21

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