

## Chroma™

### Specifications



**Product Category:** High Performance

**Openness Factor:** 2%

**UV Blockage:** Approximately 98%

**Fabric Style:** Basketweave

**Item #:** 033000

**Composition:** 36% fiberglass / 64% vinyl

Ultra-fine layer of aluminum

**Standard Packaging:** Rolls of 33 ly (30 lm)

**Width:** 94.5" (240 cm)

**Weight:** 11.92 oz / yd2 (404 g / m2) ± 5%

**Thickness:** .020" (0.50 mm) ± 5%

### Fenestration Data

Color#	Color Name	Side*	Fabric Properties					Fabric & Glass		Emissivity
			Thermal			Optical		Commercial	Residential	
			Total Solar			Rv (%)	Tv (%)	SHGC % Improvement	SHGC	
Rs (%)	As (%)	Ts (%)								
000220	Beige	room	65	31	4	68	4	55	0.27	0.89
		street	77	18	5	74	5	58	0.24	0.24
000202	White	room	74	23	3	78	3	61	0.23	0.88
		street	77	19	4	73	3	58	0.24	0.31
000207	Light Grey	room	58	39	3	62	3	50	0.32	0.90
		street	77	20	3	73	3	58	0.24	0.33
003007	Dark Grey	room	12	86	2	12	2	21	0.52	0.89
		street	82	15	3	79	3	63	0.21	0.13
003030	Black	room	5	92	3	5	3	16	0.56	0.88
		street	76	20	4	73	4	58	0.25	0.23

\***Room side:** identified by the color side; **Street side:** identified by the aluminum 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. 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. Emissivity was tested in accordance with ASTM C1371. 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](http://www.mermetusa.com).

#### Fabrication Methods:

Cutting: cold, ultrasonic or crush

Welding: do not use radio frequency or high frequency welding machines. Heat impulse welding equipment is recommended.

#### Fire Classifications:

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

CAN/ULC-S109-03 Small Flame Test

#### Bacterial and Fungal Resistance:

ASTM E2180, ASTM G21

#### Environmental Benefits:

RoHS - Lead Free

#### Acoustical Performance:

NRC: 0.30, SAA: 0.28

We recommend testing all cutting and welding methods prior to use to confirm they meet your individual fabrication specifications.

#### Care & Handling

**Storage:** fabric needs to be stored in cardboard tubes to prevent bowing of the fabric or the inner core that the fabric is wrapped around.

**Transportation:** fabric should be shipped in the same cardboard tubes, or carefully bulk packaged to avoid crushing of the fabric.

**Handling:** fabric should always remain in its native outer packaging during storage, and/or moving. The fabric should be carried with an even distribution across the length of the roll. Cotton gloves should be worn when handling and fabricating blind, as perspiration, dirt, etc. can permanently affect the aluminum backing.

**Placement:** There needs to be at least 1" between finished shade and glass. Skylights require greater space between finished shade and glass to avoid thermal heat buildup.

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