

MERMET

Sun Control Textiles™

Mermet Window Covering Fabrics – Guide Specification

Mermet entered the solar protection market in 1976. Now, for over 30 years, the Mermet team has developed some of the most technologically advanced solar screen fabrics in the industry. Mermet's innovative, functional fabrics are designed for solar protection, energy savings, pleasing visual aesthetics and acoustical comfort. Mermet fabrics are GREENGUARD® Certified and fire rated to NFPA 701 standards.

Many Mermet fabrics feature Enduris™ Glass Core Technology; a combination of superior-quality coating and glass yarn at the core to enhance sustainability while reducing energy costs. Roller shades, panel tracks, retractable awnings and tensile structures made with Mermet fabrics are tested and proven to eliminate heat from solar radiation while providing strength, durability, UV-resistance, and beautiful color. The result is a more pleasant, sustainable environment.

GREENGUARD certification means that Mermet fabrics meet or exceed the stringent field-validated standards for "low emissions" and are safe to use in all building interiors.

Mermet is recognized as a world leader in the solar protection market. Mermet's extensive product range, which covers a variety of applications and provides high performance fabrics that meet the growing market demand for sustainable and healthier homes and workplaces, is produced entirely in the United States.

We recommend you consult with your Mermet representative, who can be contacted through Mermet USA; (866) 902-9647; email: info@mermetusa.com; website: www.mermetusa.com.

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SECTION 12 24 13 - ROLLER WINDOW SHADES

PART 1 - GENERAL (N/A, Please refer to project specific requirements)

PART 2 - PRODUCTS

2.1 ROLLER WINDOW SHADE MATERIAL MANUFACTURERS

- A. Approved Manufacturer: **Mermet USA, 5970 N. Main St., Cowpens, SC 29330, (866) 902-9647, www.mermetusa.com.**

Specifier: Retain one of two "Substitutions" Subparagraphs below, or delete both, based upon direction of Owner.

1. Substitutions: No substitutions per Owner's request.
2. Substitutions: Comparable products of other manufacturers subject to approval by [Architect] [Owner] in accordance with Instructions to Bidders and Division 01 General Requirements.
3. Source Limitations: Provide roller window shade materials through one source from a single manufacturer.

2.2 PERFORMANCE REQUIREMENTS

- A. Fire-Test-Response Characteristics: Provide fabric products that pass NFPA 701 as determined by testing of fabrics by a testing and inspecting agency acceptable to authorities having jurisdiction.
- B. Low-Emitting Materials: Provide fabric products that comply with the requirements of the California Department of Public Health's "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers."

2.3 ROLLER WINDOW SHADE MATERIALS

- A. Light-Filtering Transparent Fabric: Woven clear view light and glare controlling fabric, stain and fade resistant; NFPA 701 TM#1; California US Title 19; CAN/ULC-S109-03 Small & Large Flame Test.

1. Product: Shade Type "A".
 - a. Basis of Design Product: **Mermet Natte Shade Fabric.**
 - b. Type: PVC coated Fiberglass

Specifier: Where basis of design specifying is not adequate to control procurement, retain detailed physical properties below and delete the above line A.1.a in this section.

- c. Microbial Resistance, ASTM E2180 and ASTM G21: Pass.
- d. Thickness: 0.022 inches (0.56 mm) ±5%.
- e. Weight: 14.13 oz. / sq. yd. (479 g/sq. m2) ±5%.
- f. Color: Charcoal/Cocoa (930961).
 - 1) Openness Factor: 5 percent.
 - 2) Light Transmittance Tv: 8 percent.

- 3) Solar Reflectance Rs: 6 percent.
- 4) Solar Absorption As: 87 percent.
- 5) Solar Transmittance Ts: 7 percent.

PART 3 - EXECUTION (N/A, Please refer to project specific requirements)

END OF SECTION