MERMET
Sun Control Textiles™

Product Specifications Sheet

# E Screen 3%

## Specifications

**Product Category:** Conventional
**Openness Factor:** 3%
**UV Blockage:** Approximately 97%
**Fabric Style:** Basketweave
**Item #:** 007503

**Composition:** 36% fiberglass / 64% vinyl
**Standard Packaging:** Rolls of 30 ly (27 lm)
**Width:** 78" (200 cm), 98" (250 cm), 122" (310 cm)
**Weight:** 11.6 oz / yd2 (393 g / m2) ± 5%
**Thickness:** 0.017" (0.43 mm) ± 5%

## Fenestration Data

| | | Fabric Properties | | | | | | Fabric & Glass | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | *Thermal* | | | | *Optical* | | *Commercial* | | *Residential* | |
| Color# | Color Name | Rs IR (%) | Total Solar | | | Rv (%) | Tv (%) | SHGC % Improvement | | SHGC | |
| | | | Rs (%) | As (%) | Ts (%) | | | Interior | Exterior | Interior | Exterior |
| 030001 | Charcoal/Grey | 11 | 10 | 85 | 5 | 10 | 5 | 16 | 84 | 0.60 | 0.11 |
| 002002 | White/White | 70 | 73 | 11 | 16 | 78 | 13 | 58 | 82 | 0.28 | 0.14 |
| 002020 | White/Linen | 63 | 63 | 21 | 16 | 66 | 12 | 47 | 82 | 0.34 | 0.14 |
| 002007 | White/Pearl | 49 | 52 | 38 | 10 | 56 | 8 | 42 | 84 | 0.38 | 0.11 |
| 007020 | Pearl/Linen | 38 | 39 | 48 | 13 | 42 | 11 | 34 | 79 | 0.44 | 0.15 |
| 007007 | Pearl/Pearl | 31 | 32 | 59 | 9 | 34 | 8 | 32 | 82 | 0.47 | 0.13 |
| 007001 | Pearl/Grey | 28 | 27 | 63 | 10 | 27 | 8 | 26 | 79 | 0.50 | 0.14 |
| 00M122 | Charcoal/Grey-Stone | 13 | 13 | 80 | 7 | 13 | 6 | 18 | 79 | 0.55 | 0.14 |
| 030030 | Charcoal/Charcoal | 5 | 5 | 91 | 4 | 5 | 4 | 13 | 84 | 0.62 | 0.11 |
| 030061 | Charcoal/Cocoa | 7 | 7 | 89 | 4 | 7 | 3 | 13 | 84 | 0.62 | 0.10 |
| 030071 | Charcoal/Apricot | 18 | 18 | 75 | 7 | 18 | 7 | 18 | 82 | 0.57 | 0.12 |

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 / ½" 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 the Mermet Technical Department at: www.mermetusa.com.

**Fabrication Methods:**
Cutting: cold, ultrasonic or crush
Welding: radio frequency, high frequency, impulse, hot air, wedge

**Fire Classifications:**
NFPA 701-10 TM#1, California U.S. Title 19
CAN/ULC-S109-03 Small & Large Flame Test

**Bacterial and Fungal Resistance:**
ASTM E2180, ASTM G21

**Environmental Benefits:**
RoHS - Lead Free

**Acoustical Performance:**
NRC: 0.15, SAA: 0.17

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. 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.

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