



Sun Control Textiles™

Product Specifications Sheet

E Screen Deco™ 1%

Specifications

Product Category: Decorative
Openness Factor: 1%
UV Blockage: Approximately 99%
Fabric Style: Basketweave
Item #: 007551

Composition: 36% fiberglass / 64% vinyl
Standard Packaging: Rolls of 30 ly (27 lm)
Width: 98" (250 cm), 122" (310 cm)
Weight: 12.30 oz / yd² (416 g / m²) ± 5%
Thickness: 0.022" (0.55 mm) ± 5%



Fenestration Data

| Color# | Color Name | Fabric Properties | | | | | Fabric & Glass | | | |
|--------|------------|-------------------|----------|----------|---------|--------|--------------------|----------|-------------|------|
| | | Thermal | | | Optical | | Commercial | | Residential | |
| | | Total Solar | | | Rv (%) | Tv (%) | SHGC % Improvement | | SHGC | |
| Rs (%) | As (%) | Ts (%) | Interior | Exterior | | | Interior | Exterior | | |
| 000CYP | Cypress | 54 | 36 | 10 | 59 | 8 | 47 | 84 | 0.35 | 0.11 |
| 000POP | Poplar | 48 | 43 | 9 | 51 | 7 | 42 | 84 | 0.38 | 0.11 |
| 000CED | Cedar | 21 | 75 | 4 | 22 | 3 | 26 | 84 | 0.50 | 0.11 |
| 000SYC | Sycamore | 23 | 74 | 3 | 23 | 2 | 26 | 84 | 0.49 | 0.10 |
| 000MAP | Maple | 17 | 79 | 4 | 16 | 3 | 21 | 82 | 0.52 | 0.11 |
| 000PAL | Palmetto | 18 | 79 | 3 | 18 | 3 | 24 | 82 | 0.52 | 0.11 |
| 000OAK | Oak | 14 | 83 | 3 | 13 | 2 | 21 | 82 | 0.53 | 0.11 |
| 000WIL | Willow | 35 | 61 | 4 | 38 | 3 | 34 | 84 | 0.44 | 0.10 |
| 000MAG | Magnolia | 57 | 35 | 8 | 63 | 6 | 50 | 87 | 0.33 | 0.10 |
| 000ASP | Aspen | 58 | 32 | 10 | 63 | 7 | 50 | 84 | 0.33 | 0.11 |
| 000HIC | Hickory | 37 | 55 | 8 | 38 | 6 | 34 | 84 | 0.44 | 0.12 |
| 000ELM | Elm | 36 | 58 | 6 | 38 | 4 | 34 | 84 | 0.44 | 0.11 |
| 000WAL | Walnut | 11 | 87 | 2 | 11 | 2 | 18 | 82 | 0.54 | 0.11 |
| 000SPR | Spruce | 8 | 90 | 2 | 8 | 1 | 18 | 82 | 0.55 | 0.11 |

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 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. 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.

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

Environmental Benefits:

RoHS - Lead Free

Bacterial and Fungal Resistance:

ASTM E2180, ASTM G21

Acoustical Performance:

NRC: 0.50, SAA: 0.49

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.

5970 N. Main Street • Cowpens, SC 29330

Sales Department: Ph (866) 902-9647

info@mermetusa.com



Sun Control Textiles™

Product Specifications Sheet

E Screen Deco™ 3%

Specifications

Product Category: Decorative
Openness Factor: 3%
UV Blockage: Approximately 97%
Fabric Style: Basketweave
Item #: 007553

Composition: 36% fiberglass / 64% vinyl
Standard Packaging: Rolls of 30 ly (27 lm)
Width: 98" (250 cm), 122" (310 cm)
Weight: 11.50 oz / yd² (390 g / m²) ± 5%
Thickness: 0.019" (0.49 mm) ± 5%



Fenestration Data

| Color# | Color Name | Fabric Properties | | | | | Fabric & Glass | | | |
|--------|------------|-------------------|----------|----------|---------|--------|--------------------|----------|-------------|------|
| | | Thermal | | | Optical | | Commercial | | Residential | |
| | | Total Solar | | | Rv (%) | Tv (%) | SHGC % Improvement | | SHGC | |
| Rs (%) | As (%) | Ts (%) | Interior | Exterior | | | Interior | Exterior | | |
| 000CYP | Cypress | 53 | 35 | 12 | 58 | 10 | 45 | 82 | 0.36 | 0.13 |
| 000POP | Poplar | 44 | 45 | 11 | 48 | 9 | 39 | 82 | 0.41 | 0.13 |
| 000CED | Cedar | 23 | 71 | 6 | 25 | 5 | 26 | 82 | 0.50 | 0.12 |
| 000SYC | Sycamore | 23 | 69 | 8 | 24 | 6 | 26 | 82 | 0.51 | 0.13 |
| 000MAP | Maple | 15 | 78 | 7 | 14 | 6 | 21 | 79 | 0.54 | 0.13 |
| 000PAL | Palmetto | 17 | 77 | 6 | 18 | 5 | 21 | 82 | 0.53 | 0.13 |
| 000OAK | Oak | 12 | 82 | 6 | 12 | 6 | 18 | 79 | 0.55 | 0.13 |
| 000WIL | Willow | 35 | 58 | 7 | 38 | 6 | 34 | 82 | 0.45 | 0.11 |
| 000MAG | Magnolia | 51 | 39 | 10 | 57 | 9 | 45 | 82 | 0.37 | 0.12 |
| 000ASP | Aspen | 52 | 35 | 13 | 57 | 11 | 45 | 82 | 0.37 | 0.13 |
| 000HIC | Hickory | 35 | 54 | 11 | 36 | 9 | 32 | 79 | 0.46 | 0.14 |
| 000ELM | Elm | 35 | 55 | 10 | 37 | 8 | 34 | 82 | 0.45 | 0.13 |
| 000WAL | Walnut | 12 | 83 | 5 | 12 | 5 | 18 | 82 | 0.55 | 0.13 |
| 000SPR | Spruce | 8 | 88 | 4 | 8 | 4 | 16 | 82 | 0.57 | 0.13 |

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 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. 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.

Fabrication Methods:

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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

Environmental Benefits:

RoHS - Lead Free

Bacterial and Fungal Resistance:

ASTM E2180, ASTM G21

Acoustical Performance:

NRC: 0.15, SAA: 0.13

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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