E Screen 3% with KOOLBLACK® Technology

Specifications

**Product Category:** High Performance

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

**Openness Factor:** 3%

**Standard Packaging:** Rolls of 30 ly (27 lm)

**UV Blockage:** Approximately 97%

**Width:** 98” (250 cm), 122” (310 cm)

**Weight:** 11.3 oz / yd² (382 g / m²) ± 5%

**Thickness:** 0.020” (0.51 mm) ± 5%

**Fabric Style:** Basketweave

**Item #:** 007703

### Fenestration Data

<table>
<thead>
<tr>
<th>Color#</th>
<th>Color Name</th>
<th>Rs IR (%)</th>
<th>Total Solar</th>
<th>Optical</th>
<th>Fabric &amp; Glass</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Rs (%)</td>
<td>As (%)</td>
<td>Ts (%)</td>
<td>SHGC Improvement</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Interior</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Commercial</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Interior</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>035035</td>
<td>Charcoal/Charcoal</td>
<td>61</td>
<td>34</td>
<td>49</td>
<td>17</td>
</tr>
<tr>
<td>00K122</td>
<td>Charcoal/Grey-Stone</td>
<td>60</td>
<td>38</td>
<td>46</td>
<td>16</td>
</tr>
<tr>
<td>035131</td>
<td>Charcoal/Grey</td>
<td>65</td>
<td>40</td>
<td>46</td>
<td>14</td>
</tr>
<tr>
<td>035032</td>
<td>Charcoal/Cocoa</td>
<td>61</td>
<td>35</td>
<td>48</td>
<td>17</td>
</tr>
<tr>
<td>035071</td>
<td>Charcoal/Apricot</td>
<td>58</td>
<td>38</td>
<td>44</td>
<td>18</td>
</tr>
</tbody>
</table>

The fabric performance tests were conducted in accordance with ASTM E891 & ASTM E803-86: Total Solar Transmittance (Ts), Total Solar Reflectance (Rs), 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 / ½” 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.

5970 N. Main Street • Cowpens, SC 29330
Sales Department: Ph (866) 902-9647
info@mermetusa.com

www.mermetusa.com
Specifications

Product Category: High Performance
Composition: 36% fiberglass / 64% vinyl
Openness Factor: 5%
Standard Packaging: Rolls of 30 ly (27 lm)
UV Blockage: Approximately 95%
Width: 98” (250 cm), 122” (310 cm)
Weight: 10.6 oz / yd² (358 g / m²) ± 5%
Thickness: 0.019” (0.47 mm) ± 5%

Fabric Style: Basketweave
Item #: 007705

Fenestration Data

<table>
<thead>
<tr>
<th>Color#</th>
<th>Color Name</th>
<th>Rs (%)</th>
<th>IR (%)</th>
<th>Total Solar Rs (%)</th>
<th>Optical As (%)</th>
<th>Total Solar Ts (%)</th>
<th>SHGC % Improvement Commercial Interior</th>
<th>SHGC Total Solar SHGC Residential Interior</th>
<th>SHGC Residential Exterior</th>
</tr>
</thead>
<tbody>
<tr>
<td>035035</td>
<td>Charcoal/Charcoal</td>
<td>60</td>
<td>33</td>
<td>49</td>
<td>18</td>
<td>10</td>
<td>6</td>
<td>16</td>
<td>0.54</td>
</tr>
<tr>
<td>00K122</td>
<td>Charcoal/Grey-Stone</td>
<td>58</td>
<td>36</td>
<td>45</td>
<td>19</td>
<td>18</td>
<td>9</td>
<td>21</td>
<td>0.49</td>
</tr>
<tr>
<td>035131</td>
<td>Charcoal/Grey</td>
<td>62</td>
<td>38</td>
<td>45</td>
<td>17</td>
<td>17</td>
<td>7</td>
<td>21</td>
<td>0.48</td>
</tr>
<tr>
<td>035032</td>
<td>Charcoal/Cocoa</td>
<td>57</td>
<td>32</td>
<td>49</td>
<td>19</td>
<td>11</td>
<td>7</td>
<td>16</td>
<td>0.55</td>
</tr>
<tr>
<td>035071</td>
<td>Charcoal/Apricot</td>
<td>59</td>
<td>37</td>
<td>42</td>
<td>21</td>
<td>19</td>
<td>9</td>
<td>18</td>
<td>0.52</td>
</tr>
</tbody>
</table>

The fabric performance tests were conducted in accordance with ASTM E891 & ASTM E803-96: Total Solar Transmittance (Ts), Total Solar Reflectance (Rs), 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:
NFP 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

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