Technical Specifications, Kona Solar Screen Fabric

Solar Screen Fabric Collection

- **Name:** Kona Solar Screen Fabric
- **Composition:** 37% Fiberglass, 63% Vinyl on Fiberglass

637 S. Pierce Ave.  
Louisville, CO 80027  
tel 800.447.5534  
fax 303.665.1209  
www.insolroll.com

- **Thickness:** 0.021" (0.53mm)
- **Weight:** 14.4 oz/yd2 (488 g/m2)
- **Openness factor:** Approximately 5%
- **UV Blockage:** Approximately 95%

**Acoustical Performance:**
- NRC (Noise Reduction Coefficient) and SAA (Sound Absorption Average) tested in accordance with ASTM C423-09a.

### Solar Heat Control Properties

**Fabrics Installed Internally, Zero-Degree Profile Angle**

<table>
<thead>
<tr>
<th>Kona Solar Screen</th>
<th>Solar Optical Properties*</th>
<th>SHGC/G Value g-tot (glass &amp; blind)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Average Openness 5%</td>
<td>TS</td>
<td>RS</td>
</tr>
<tr>
<td>White</td>
<td>20</td>
<td>67</td>
</tr>
<tr>
<td>Bone</td>
<td>18</td>
<td>55</td>
</tr>
<tr>
<td>Bone/Platinum</td>
<td>12</td>
<td>43</td>
</tr>
<tr>
<td>Bronze</td>
<td>5</td>
<td>7</td>
</tr>
<tr>
<td>Charcoal/Grey</td>
<td>7</td>
<td>9</td>
</tr>
<tr>
<td>Charcoal</td>
<td>6</td>
<td>4</td>
</tr>
</tbody>
</table>

* Performance evaluations conducted by Matrix, Inc., Mesa Arizona

- **TS = Solar Transmittance**  
- **RS = Solar Reflectance**  
- **AS = Solar Absorptance**  
- **TV = Visual Transmittance**

*SHGC = Solar Heat Gain Coefficient (SHGC) shown calculated according to Office of Building Technology, State and Community Programs, Energy Efficiency and Renewable Energy, U.S. Department of Energy’s definition of SHGC.

- **Fire Classifications:**  
  - California U.S. Title 19 (small scale), NFPA 701 TM#1 (small scale) & TM#2 (large scale), NFPA 101 (Class A Rating), IBC Section 803.1.1 (Class 1), BS S867 Part 2 Type B Performance, CAN/ULC-S 109 (large and small scale) and CAN/CGSB-2.1-62-M80.

- **Antimicrobial:**  
  - ASTM E 2180, AATCC30 Part 3, ASTM G21, ASTM D 3273, GreenGuard Mold and Bacteria Standard ASTM 6329; includes Microban antimicrobial additives.

- **Environmental Certification:**  
  - GreenGuard Gold Certified for low chemical emissions into indoor air during product use

- **Environmental Benefits:**  