genesis®
Shade Material
Technical Specifications

September 22, 2015

Note: Certificates and documentation are available on-line in the Materials Library at www.lafayetteinteriorfashions.com
Genesis Material Specifications

- **Aedan**: 60% Cotton, 40% Flax; 6.78 oz/sq yd; .018” thick. Oeko-Tex Standard 100 - Confidence in Textiles, Tested for harmful substances. Tested for indoors sun protection.

- **Beatty**: 85% Polyester, 15% Polypropylene; 10.25 oz/sq yd; .038” thick. Oeko-Tex Standard 100 - Confidence in Textiles, Tested for harmful substances.

- **Berber Slub**: 100% Polyester, 7.18 oz / sq yd; 0.025 in. Oeko-Tex Standard 100 - Confidence in Textiles, Tested for harmful substances.

- **Boho**: 100% Polyester. GREEENGUARD Indoor Air Quality Certified.

- **Boucle**: 100% Fiberglass with Vinyl Laminates; 12.5 oz/sq yd; 12.5 mils thick. GREEENGUARD Indoor Air Quality Certified. Meets Flame Resistant Specification CCC-C-521E, A-A-150 Type 11 Fiberglass. Meets or exceeds Federal Flame Resistant Test for NFPA 701 (Small Scale).

- **Brit**: 70% PVC & 30% Polyester; 410gr/sq mtr; 0.57mm thick. GREEENGUARD Indoor Air Quality Certified. Oeko-Tex Standard 100 - Confidence in Textiles, Tested for harmful substances. Meets or exceeds Federal Flame Resistant Test for NFPA 701 (Small Scale). Color Fastness: Class 4.5 (AATCC 16-2003).

- **Cabos**: 100% Polyester, 23.89 oz/linear yd; .040” thick. Oeko-Tex Standard 100 - Confidence in Textiles, Tested for harmful substances.

- **Cayman**: 100% Polyester; 258 gr/sq mtr; 81 mm thick.

- **Dakota**: 100% Polyester; 0.0736 lbs/sq ft.

- **Dallas**: 100% Polyester; 0.0502 lbs/sq ft; Oeko-Tex Standard 100 - Confidence in Textiles, Tested for harmful substances.

- **Deco Screen**: 36% Fiberglass/ 64% Vinyl; 11.3 oz / sq yd; .020 in thick. GREEENGUARD Indoor Air Quality Certified. Meets or exceeds Federal Flame Resistant Test for NFPA 701 (Small Scale).

Solar heat control properties—Fabric installed internally, zero-degrees profile angle

<table>
<thead>
<tr>
<th>Material</th>
<th>Ts</th>
<th>Rs</th>
<th>As</th>
<th>Tv</th>
<th>SC 1/4CL</th>
<th>CL-S</th>
<th>DG</th>
</tr>
</thead>
<tbody>
<tr>
<td>580 Parchment</td>
<td>16</td>
<td>63</td>
<td>21</td>
<td>12</td>
<td>.43</td>
<td>.37</td>
<td>.37</td>
</tr>
</tbody>
</table>

3% Openness - Solar heat control properties—Fabric installed internally, zero-degrees profile angle

<table>
<thead>
<tr>
<th>Material</th>
<th>Ts</th>
<th>Rs</th>
<th>As</th>
<th>Tv</th>
<th>CL-S</th>
<th>DG</th>
</tr>
</thead>
<tbody>
<tr>
<td>455 Linen</td>
<td>15</td>
<td>64</td>
<td>21</td>
<td>11</td>
<td>.36</td>
<td>.36</td>
</tr>
<tr>
<td>610 Pebble</td>
<td>21</td>
<td>51</td>
<td>28</td>
<td>16</td>
<td>.44</td>
<td>.41</td>
</tr>
<tr>
<td>820 Stone</td>
<td>21</td>
<td>62</td>
<td>17</td>
<td>18</td>
<td>.38</td>
<td>.37</td>
</tr>
<tr>
<td>885 White</td>
<td>18</td>
<td>71</td>
<td>11</td>
<td>16</td>
<td>.32</td>
<td>.34</td>
</tr>
</tbody>
</table>

5% Openness - Solar heat control properties—Fabric installed internally, zero-degrees profile angle

<table>
<thead>
<tr>
<th>Material</th>
<th>Ts</th>
<th>Rs</th>
<th>As</th>
<th>Tv</th>
<th>CL-S</th>
<th>DG</th>
</tr>
</thead>
<tbody>
<tr>
<td>455 Linen</td>
<td>19</td>
<td>61</td>
<td>20</td>
<td>15</td>
<td>.38</td>
<td>.37</td>
</tr>
<tr>
<td>610 Pebble</td>
<td>22</td>
<td>50</td>
<td>28</td>
<td>18</td>
<td>.45</td>
<td>.41</td>
</tr>
<tr>
<td>820 Stone</td>
<td>21</td>
<td>61</td>
<td>16</td>
<td>18</td>
<td>.38</td>
<td>.37</td>
</tr>
<tr>
<td>885 White</td>
<td>19</td>
<td>71</td>
<td>10</td>
<td>16</td>
<td>.32</td>
<td>.34</td>
</tr>
</tbody>
</table>

- **Dimensions**: 36% Fiberglass, 64% PVC; 13 oz/sq yd; .022” thick. UV Blockage approximately 97% for 3% openness; UV Blockage approximately 95% for 5% openness. GREEENGUARD Indoor Air Quality Certified. Meets or exceeds the CA Flame Test, Title 19, Section 13115, CA Health & Safety Code, Registration #FA-401. Meets or exceeds NFPA 701-96 #TM1.

- **Duo Vue**: 70% PVC, 30% Polyester; 500gr/sq mtr; 0.64 mm thick. GREEENGUARD Indoor Air Quality Certified. Oeko-Tex Standard 100 - Confidence in Textiles, Tested for harmful substances. Meets or exceeds Federal Flame Resistant Test for NFPA 701 (Small Scale). Color Fastness: Class 4.5 (AATCC 16-2003).
Genesis Material Specifications

- **E-Screen**
  - 36% Fiberglass, 64% PVC; 12.1 oz/sq yd; .020" thick; UV Blockage 97% for 3% openness; UV Blockage 95% for 5% openness
  - GREEENGUARD Indoor Air Quality Certified; Oeko-Tex Standard 100
  - RoHS Environmental Benefit; Fungal ASTM G21;
  - Meets Federal Flame Resistant Test for Specification NFPA 701 and California U.S. Title 19

<table>
<thead>
<tr>
<th>SC</th>
<th>SHGC/G Value</th>
<th>Ts</th>
<th>Rs</th>
<th>As</th>
<th>Tv</th>
</tr>
</thead>
<tbody>
<tr>
<td>040 Apricot</td>
<td>0.71 0.62 0.51</td>
<td>7</td>
<td>19</td>
<td>75</td>
<td>7</td>
</tr>
<tr>
<td>122 Bronze</td>
<td>0.78 0.68 0.55</td>
<td>4</td>
<td>7</td>
<td>89</td>
<td>3</td>
</tr>
<tr>
<td>185 Charcoal</td>
<td>0.80 0.70 0.56</td>
<td>5</td>
<td>4</td>
<td>91</td>
<td>4</td>
</tr>
<tr>
<td>385 Grey</td>
<td>0.76 0.66 0.54</td>
<td>5</td>
<td>10</td>
<td>85</td>
<td>5</td>
</tr>
<tr>
<td>455 Linen</td>
<td>0.43 0.37 0.37</td>
<td>16</td>
<td>63</td>
<td>21</td>
<td>12</td>
</tr>
<tr>
<td>605 Pearl</td>
<td>0.48 0.42 0.40</td>
<td>10</td>
<td>52</td>
<td>38</td>
<td>8</td>
</tr>
<tr>
<td>885 White</td>
<td>0.36 0.31 0.33</td>
<td>16</td>
<td>73</td>
<td>11</td>
<td>13</td>
</tr>
</tbody>
</table>

- **E-Screen KOOLBLACK Technology**
  - 36% Fiberglass, 64% PVC; 3% is 11.3 oz/sq yd; 5% is 10.6 oz/sq yd; 3% is .02 in thick and 5% is .019 in thick
  - UV Blockage approximately 97% for 3% openness; UV Blockage approximately 95% for 5% openness
  - GREEENGUARD Indoor Air Quality Certified

<table>
<thead>
<tr>
<th>SC</th>
<th>SHGC/G Value</th>
<th>Ts</th>
<th>Rs</th>
<th>As</th>
<th>Tv</th>
</tr>
</thead>
<tbody>
<tr>
<td>040 Apricot</td>
<td>0.72 0.63 0.52</td>
<td>7</td>
<td>15</td>
<td>78</td>
<td>6</td>
</tr>
<tr>
<td>122 Bronze</td>
<td>0.79 0.69 0.55</td>
<td>7</td>
<td>6</td>
<td>87</td>
<td>7</td>
</tr>
<tr>
<td>185 Charcoal</td>
<td>0.78 0.68 0.55</td>
<td>4</td>
<td>6</td>
<td>90</td>
<td>4</td>
</tr>
<tr>
<td>385 Grey</td>
<td>0.76 0.66 0.54</td>
<td>7</td>
<td>10</td>
<td>83</td>
<td>7</td>
</tr>
<tr>
<td>455 Linen</td>
<td>0.44 0.38 0.37</td>
<td>20</td>
<td>62</td>
<td>18</td>
<td>16</td>
</tr>
<tr>
<td>605 Pearl</td>
<td>0.49 0.43 0.40</td>
<td>12</td>
<td>51</td>
<td>37</td>
<td>9</td>
</tr>
<tr>
<td>885 White</td>
<td>0.37 0.32 0.34</td>
<td>20</td>
<td>71</td>
<td>9</td>
<td>17</td>
</tr>
</tbody>
</table>

- **Edessa Twilight**
  - 47% Polyester, 53% Acrylic; UV Blockage 100%; 11.4 oz/sq yd; .020" thick
  - GREEENGUARD Indoor Air Quality Certified; RoHS Environmental Benefit, PVC Free
  - Meets California Technical Bulletin 117 Sect E Part 1 (residential applications), NFPA 255; ASTM E84

<table>
<thead>
<tr>
<th>SC</th>
<th>SHGC/G Value</th>
<th>Ts</th>
<th>Rs</th>
<th>As</th>
<th>Tv</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arctic 046</td>
<td>0.27 0.28</td>
<td>0</td>
<td>70</td>
<td>30</td>
<td>0</td>
</tr>
</tbody>
</table>

- **Fedora**
  - 100% Polyester; 0.0537 lbs/sq ft; Oeko-Tex Standard 100 - Confidence in Textiles, Tested for harmful substances.

- **Fiber-Lucent**
  - Translucent Fiberglass with Vinyl Laminates; 9.6 oz/sq yd; 9.7 mils thick
  - GREEENGUARD Indoor Air Quality Certified
  - Meets or exceeds Federal Flame Resistant Test for Specification NFPA 701-88 (Small Scale)

- **Grasscloth**
  - 100% Polyester; .046 lbs/sq ft.; Oeko-Tex Standard 100 - Confidence in Textiles, Tested for harmful substances.

- **Hanji**
  - Paper Mulberry 30%, Polyester 70%; Korean Dak (Paper Mulberry) is grown in Korea and known for its long, flexible and strong fiber.
  - GREEENGUARD Indoor Air Quality Certified

- **Harper**
  - 100% Polyester
  - Meets or exceeds Federal Flame Resistant Test for NFPA 701; CA US Title 19
  - Bacteria and Funal Ressistance, ASTM G21; Antimicrobial Protection; Mold & Mildew Protection
  - Colorfastness to Light: Grade 6-7 ISO-105-B02

- **Highland**
  - 100% Polyester with Acrylic Foam Backing; 9.43 oz/sq yd; .021 thick; PVC and Lead Free
  - Meets or exceeds Federal Flame Resistant Test for NFPA 701: CA US Title 19
  - Bacteria and Funal Ressistance, ASTM G21; Antimicrobial Protection; Mold & Mildew Protection
  - Colorfastness to Light: Grade 6-7 ISO-105-B02

- **Hombre**
  - 100% Polyester; 7.21 oz / sq yd; 0.0195 in thick; Oeko-Tex Standard 100 - Confidence in Textiles, Tested for harmful substances.
Genesis Material Specifications

- **Homespun**
  80% Cotton, 20% Flax; 7.5-8.5 oz/sq yd; .018” thick
  Oeko-Tex Standard 100 - Confidence in Textiles, Tested for harmful substances for the following articles:
  Coated polyester fabric, dyed and printed for indoors sun protection. The results of the inspection made according to Oeko-Tex Standard 100, product class IV have shown that these goods meet the human-ecological requirements of the standard presently established for decoration material and mattresses.

- **Jackson**
  Colors 806, 880: 79.4% Polyester, 20.6% PVC; 10.55 oz/sq yd; .036” thick
  Colors 785, 840, 842: 83% Polyester, 17% PVC; 12.6 oz/sq yd; .043” thick

- **Katrina**
  100% Polyester; 200g/sq mtr; 0.33 mm thick

- **Kellani**
  100% Polyester; 27.72 oz/lin yd; .039” thick; Oeko-Tex Standard 100 - Confidence in Textiles, Tested for harmful substances.

- **Kendo**
  100% Polyester; 310 gr/sq mtr; .55 mm thick

- **Lexie**
  100% Polyester, PVC Free; 0.225 gr/sq mtr; 0.55 mm thick

- **Light-Vue**
  Color 35: 5.1 oz/sq yd.; 3 mils Thick; 100% Polyester Film; Handle with white gloves, skin oil is absorbed by Light-Vue material
  Other Colors: 5.5 oz/sq yd.; 4 mils Thick; 100% Polyester Film; Handle with white gloves, skin oil is absorbed by Light-Vue material
  Reflects 72% of sun’s rays; Retains 25% of inside heat in winter; Filters 96% ultra-violet rays

<table>
<thead>
<tr>
<th></th>
<th>#27 Bronze</th>
<th>#28 Smoke</th>
<th>#35 Smoke/Ice</th>
<th>Gray, Silver, Bronze</th>
<th>Gold, Silver, Gray</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Solar Energy</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>% Transmitted</td>
<td>17</td>
<td>17</td>
<td>9/9</td>
<td>17</td>
<td>17</td>
</tr>
<tr>
<td>% Reflected</td>
<td>33</td>
<td>33</td>
<td>43/54</td>
<td>33</td>
<td>33</td>
</tr>
<tr>
<td>% Absorbed</td>
<td>50</td>
<td>50</td>
<td>48/37</td>
<td>50</td>
<td>50</td>
</tr>
<tr>
<td>% Visible Light Transmitted</td>
<td>10</td>
<td>11</td>
<td>8/10</td>
<td>10</td>
<td>11</td>
</tr>
<tr>
<td>% Ultra-Violet Light Transmitted</td>
<td>0-4.0</td>
<td>0-4.0</td>
<td>0-4.0-0.4</td>
<td>0-4.0</td>
<td>0-4.0</td>
</tr>
</tbody>
</table>

Free Hanging System - "U" Factor
- Median: .83, .83, .83, .83, .83
- Design: .83, .83, .83, .83, .83
- Shading Coefficient: .57, .57, .57, .57, .57
- % Total Solar Energy Rejected: 73, 73, 73, 73, 73

Sealed System - "U" Factor
- Median: .48, .48, .47, .48, .48
- Design: .48, .48, .47, .48, .48
- Shading Coefficient: .51, .51, .37, .51, .51
- % Total Solar Energy Rejected: 76, 76, 84, 76, 76

- **Lindley**
  100% Polyester; 0.0792 lbs./sq foot

- **Linen**
  70% Polyester, 30% Linen; UV Blockage 100%; 321 gr/sq mtr; 40 mm thick

- **Livy**
  100% Polyester; 0.0512 lbs./sq foot

- **Long Bay**
  100% Polyester; 265 gr/sq mtr; .63 mm thick

- **Long Bay Blackout**
  100 Polyester

- **Loretta**
  100% Polyester; 7.2 oz/sq yd; .02” thick
  Oeko-Tex Standard 100 - Confidence in Textiles, Tested for harmful substances.

- **Lucinda**
  100% Polyester; 7.2 oz/sq yd; .016” thick; Oeko-Tex Standard 100 - Confidence in Textiles, Tested for harmful substances.

- **Luminescence**
  100 Polyester

- **Mindoro**
  100 Polyester; 8.8185 oz/sq yd; 0.02441 in thick

- **Moiré**
  100% Fiberglass with Vinyl Laminates; 12.5 oz/sq yd; 12.5 mm thick
  GREENGUARD Indoor Air Quality Certified; Meets Flame Resistant Specification CCC-C-521E, A-A-150 Type 11 Fiberglass
  Meets or exceeds Federal Flame Resistant Test for NFPA 701 (Small Scale)

- **Mysterious**
  100 Polyester; 350 gr/sq mtr; .47 mm thick; Oeko-Tex Standard 100 - Confidence in Textiles, Tested for harmful substances.

- **Mystic**
  100 Polyester, .016” thick

- **Mystic Eclipse**
  61 Polyester, 39% Acrylic; 0.0297 lbs/sq ft

- **Net 3000**
  27% Polyester, 73% PVC.; UV Blockage approximately 95%, 5% Openness Factor; 420 gr/sq mtr; .55 mm thick
  GREENGUARD Indoor Air Quality Certified; NFPA 701-1999 (test 1, test 2) passed (approved dates 6/19/2002; 7/24/2002; 8/24/2001)
  Fire Resistance CA Title 19 Sect 1237 - small scale - passed (approved 8/24/2001)
  Oeko-Tex Standard 100 test for harmful substances; No SEWO 042669 TESTEX Zurich
  Fabric Count ISO 7211/2° - Warp 48.0 threads/5 cm - Weft 48.0 threads/5 cm
  Tensile Strength ISO 1421 Strip Test Method C.R. - Warp 154.7 daN/5 cm - Weft 150.0 daN/5 cm
  Tearing Strength ISO 4674 Single Tongue Method - Weft 10.3 daN - Warp 10.0 daN
  Colorfastness to Light ISO 105 B02 Xenon-arc-lamp, ISO BLUE SCALE - 8 Grade
Genesis Material Specifications

- **No Lite Fiberglass**
  - 100% Fiberglass; 13.5 oz/sq yd; 12.8 mm thick; GREEENGUARD Indoor Air Quality Certified
  - Meets or exceeds Federal Flame Resistant Test for Specification NFPA 701 (Small Scale-1996)
  - Meets or exceeds California Title 19, Section 12371.1 and Federal Test Method Standard 191, Method 5903
  - Meets or exceeds Federal Flame Resistant Spec CCC-C-521E, Type II Fiberglass and Flame Resistant Test

- **Opulence**
  - 74.7% Green PVC, 25.3% Polyester; UV Blockage approximately 90%, 10% Openness Factor; 468 gr/sq mtr; .40 mm thick
  - GREEENGUARD Indoor Air Quality Certified
  - Meets or exceeds NFPA 701 (US), Type B BS 5867 (UK), M1 NF P 92-512 (EU) and DIN 4102 (Germany)
  - Oeko-Tex Standard 100 - Confidence in Textiles, Tested for harmful substances; ASTM G21 and G22; Fragrance-free non-toxic

- **Solar heat control properties**
  - Fabric installed internally, zero-degrees profile angle
  - SC: Solar Control; SHGC/G: Solar Heat Gain Coefficient/General Value
  - Ts: Transmittance; Rs: Reflectance; As: Absorbance; Tv: Transmittance; 1/4CL: 1/4 CL; CL-S: CL-S; DG: Diffuse Glare

<table>
<thead>
<tr>
<th>Material</th>
<th>Ts</th>
<th>Rs</th>
<th>As</th>
<th>Tv</th>
<th>SC</th>
<th>SHGC/G Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>658 Seasalt</td>
<td>11</td>
<td>54</td>
<td>35</td>
<td>9</td>
<td>0.47</td>
<td>0.41</td>
</tr>
</tbody>
</table>

- **Pacifica**
  - 100% Polyester; GREEENGUARD Indoor Air Quality Certified; Meets or exceeds Federal Flame Resistant Test for NFPA 701

- **Pearlescent**
  - 100% Polyester; UV Blockage 100%; 340 gr/sq mtr; .45 mm thick

- **Persia**
  - 100% Polyester; 243 gr/sq mtr; .75 mm thick

- **Origami**
  - 100% Polyester, 18.08 oz/linear yd; .024” thick
  - Oeko-Tex Standard 100 - Confidence in Textiles, Tested for harmful substances.

- **Pacifica**
  - 100% Polyester; GREEENGUARD Indoor Air Quality Certified; Meets or exceeds Federal Flame Resistant Test for NFPA 701

- **Pearlescent**
  - 100% Polyester; UV Blockage 100%; 340 gr/sq mtr; .45 mm thick

- **Persia**
  - 100% Polyester; 243 gr/sq mtr; .75 mm thick

- **Rocky Mountain**
  - 67% Polyester, 33% Polypropylene; 10.2 oz/sq yd; .025” thick
  - Oeko-Tex Standard 100 - Confidence in Textiles, Tested for harmful substances.

- **Rollie**
  - 100% Flax; 9.14 oz/sq yd; .026” thick
  - Oeko-Tex Standard 100 - Confidence in Textiles, Tested for harmful substances for the following articles: Coated polyester fabric, dyed and printed for indoors sun protection. The results of the inspection made according to Oeko-Tex Standard 100, product class IV have shown that these goods meet the human-ecological requirements of the standard presently established for decoration material and mattresses.

- **S S Screen Elements**
  - 33.6% Fiberlass, 59.6% Vinyl, 6.8% Polyester; 18.9 oz/sq yd; .037 in thick
  - GREEENGUARD Indoor Air Quality Certified
  - Meets or exceeds Federal Flame Resistant Test for NFPA 701 (Small Scale)

- **S S Screen Origins**
  - 33.6% Fiberlass, 59.6% Vinyl, 6.8% Polyester; 18.9 oz/sq yd; .037 in thick
  - GREEENGUARD Indoor Air Quality Certified
  - Meets or exceeds Federal Flame Resistant Test for NFPA 701 (Small Scale)

- **Safari**
  - 100% Polyester; 19.58 oz/linear yd; .031” thick
  - Oeko-Tex Standard 100 - Confidence in Textiles, Tested for harmful substances.

- **Seclusion**
  - 100% Polyester; 17.5 oz/sq yd; 13 mils thick
  - GREEENGUARD Indoor Air Quality Certified
  - Meets or exceeds Federal Flame Resistant Test for Specification NFPA 701(Small Scale-1996), Federal Test Std 191A Method 5903

- **Sedona**
  - 100% Polyester with Acrylic Foam Backing; PVC and Lead Free; 11.4 oz/sq yd; 0.020 in thick
  - Bacteria and Fungal Resistant, ASTM G21; Antimicrobial Protection; Mold & Mildew Protection
  - Colorfastness to Light: Grade 6-7 ISO-105-B02

- **Seto 5000**
  - 100% Polyester non-coating fabric; 211 gr/sq mtr; .43 mm thick
  - Oeko-Tex Standard 100 - Confidence in Textiles, Tested for harmful substances.
  - Meets NFPA 701 FR Test; Light Fastness - above 4 grade; 6.2% Transmittance

- **Seto 6000**
  - 100% Polyester non-coating fabric; 262 gr/sq mtr; .66 mm thick
  - Oeko-Tex Standard 100 - Confidence in Textiles, Tested for harmful substances.
  - Meets NFPA 701 FR Test; Light Fastness - above 4 grade; 6.2% Transmittance

- **Shantung**
  - 100% Cotton; 7 oz/sq yd; .021” thick
  - Oeko-Tex Standard 100 - Confidence in Textiles, Tested for harmful substances. for the following articles: Coated polyester fabric, dyed and printed for indoors sun protection. The results of the inspection made according to Oeko-Tex Standard 100, product class IV have shown that these goods meet the human-ecological requirements of the standard presently established for decoration material and mattresses.
Genesis Material Specifications

• SheerWeave 1000 35% Fiberglass/65% PVC; UV blockage approx. 75%; Avg openness factor 25% (not as stable due to openness); 8.8 oz/sq yd; .019” thick
GREEENGUARD Indoor Air Quality Certified
Microban anti-microbial protection inhibits the growth of stain-causing bacteria, mold and mildew
Phifer Trackless Technology minimizes the fiberglass yarn’s inherent qualities to track less and roll up straighter
Meets or exceeds Federal Flame Resistant Test for Specification NFPA 701-1999 TM#1 (Small Scale)
Meets or exceeds California Title 19, Section 1272 & 1237, California Administrative Health & Safety Code, Small Scale Test for interior fabric and Registration FA-44203 & FA-44207

Solar heat control properties-Fabric installed internally, zero-degrees profile angle

<table>
<thead>
<tr>
<th></th>
<th>Ts</th>
<th>Rs</th>
<th>As</th>
<th>1/8CL</th>
<th>1/4CL</th>
<th>1/4HA</th>
</tr>
</thead>
<tbody>
<tr>
<td>001 Pearl</td>
<td>30</td>
<td>50</td>
<td>14</td>
<td>0.37</td>
<td>0.37</td>
<td>0.41</td>
</tr>
<tr>
<td>048 Tan</td>
<td>37</td>
<td>48</td>
<td>16</td>
<td>0.52</td>
<td>0.52</td>
<td>0.57</td>
</tr>
<tr>
<td>185 Charcoal</td>
<td>25</td>
<td>6</td>
<td>69</td>
<td>0.77</td>
<td>0.73</td>
<td>0.53</td>
</tr>
</tbody>
</table>

• SheerWeave 2000 37% Fiberglass/63% PVC; UV blockage approximately 95%; Average openness factor 5%; 14.26 oz/sq yd; .019” thick
GREEENGUARD Indoor Air Quality Certified
Microban anti-microbial protection inhibits the growth of stain-causing bacteria, mold and mildew
Phifer Trackless Technology minimizes the fiberglass yarn’s inherent qualities to track less and roll up straighter
Meets or exceeds Federal Flame Resistant Test for Specification NFPA 701-1999 TM#1 (Small Scale)
Meets or exceeds California Title 19, Section 1272 & 1237, California Administrative Health & Safety Code, Small Scale Test for interior fabric and Registration FA-44203 & FA-44207
Meets or exceeds British Standard 5867; Part 2: 1980 (1993) Type B Performance Requirements

Solar heat control properties-Fabric installed internally, zero-degrees profile angle

<table>
<thead>
<tr>
<th></th>
<th>Ts</th>
<th>Rs</th>
<th>As</th>
<th>1/8CL</th>
<th>1/4CL</th>
<th>1/4HA</th>
</tr>
</thead>
<tbody>
<tr>
<td>378 Silver</td>
<td>9</td>
<td>44</td>
<td>18</td>
<td>0.47</td>
<td>0.46</td>
<td>0.44</td>
</tr>
<tr>
<td>372 Silver</td>
<td>10</td>
<td>3</td>
<td>9</td>
<td>0.70</td>
<td>0.67</td>
<td>0.49</td>
</tr>
<tr>
<td>185 Charcoal</td>
<td>6</td>
<td>4</td>
<td>90</td>
<td>0.74</td>
<td>0.70</td>
<td>0.51</td>
</tr>
</tbody>
</table>

• SheerWeave 2390 35% Fiberglass, 65% Vinyl on Fiberglass; UV blockage approximately 95%; Average openness factor 5%; 11.9 oz/sq yd; .017” thick
GREEENGUARD Indoor Air Quality Certified; GREENGUARD for Children and Schools Certified
Meets or exceeds Federal Flame Resistant Test for Specification NFPA 701-2004 TM#1 (Small Scale);
California US Title 19 (small scale), NFPA 101 (Class A Rating), UBC (Class I), BS 5867 2008 Part 2, Type B; NFPA 701 TM#2 Lg Scale
GREENGUARD Mold and Bacteria Standard ASTM 6329; includes Microban antimicrobial additives
Phifer Trackless Technology minimizes the fiberglass yarn’s inherent qualities to track less and roll up straighter

Solar heat control properties-Fabric installed internally, zero-degrees profile angle

<table>
<thead>
<tr>
<th></th>
<th>Ts</th>
<th>Rs</th>
<th>As</th>
<th>1/8CL</th>
<th>1/4CL</th>
<th>1/4HA</th>
</tr>
</thead>
<tbody>
<tr>
<td>605 Pearl</td>
<td>21</td>
<td>61</td>
<td>18</td>
<td>0.38</td>
<td>0.38</td>
<td>0.38</td>
</tr>
<tr>
<td>725 Sand</td>
<td>17</td>
<td>54</td>
<td>34</td>
<td>0.42</td>
<td>0.41</td>
<td>0.39</td>
</tr>
<tr>
<td>185 Charcoal</td>
<td>6</td>
<td>4</td>
<td>90</td>
<td>0.74</td>
<td>0.70</td>
<td>0.51</td>
</tr>
</tbody>
</table>

• SheerWeave 2410 35% Fiberglass, 65% Vinyl on Fiberglass; UV blockage approximately 97%; Avg openness factor 3%; 14.1 oz/sq yd; .019 in thick
Meets or exceeds Federal Flame Resistant Test for Specification NFPA 701-2004 TM#1 (Small Scale);
California US Title 19 (small scale), NFPA 101 (Class A Rating), UBC (Class I), BS 5867 2008 Part 2, Type B; NFPA 701 TM#2 Lg Scale
GREENGUARD Mold and Bacteria Standard ASTM 6329; includes Microban antimicrobial additives
Phifer Trackless Technology minimizes the fiberglass yarn’s inherent qualities to track less and roll up straighter

Solar heat control properties-Fabric installed internally, zero-degrees profile angle

<table>
<thead>
<tr>
<th></th>
<th>Ts</th>
<th>Rs</th>
<th>As</th>
<th>1/8CL</th>
<th>1/4CL</th>
<th>1/4HA</th>
</tr>
</thead>
<tbody>
<tr>
<td>605 Pearl</td>
<td>21</td>
<td>61</td>
<td>18</td>
<td>0.38</td>
<td>0.38</td>
<td>0.38</td>
</tr>
<tr>
<td>725 Sand</td>
<td>17</td>
<td>54</td>
<td>34</td>
<td>0.42</td>
<td>0.41</td>
<td>0.39</td>
</tr>
<tr>
<td>185 Charcoal</td>
<td>6</td>
<td>4</td>
<td>90</td>
<td>0.74</td>
<td>0.70</td>
<td>0.51</td>
</tr>
</tbody>
</table>

• SheerWeave 2500 37% Fiberglass, 63% Vinyl on Fiberglass; UV blockage approximately 99%; Average openness factor 1%; 16.1 oz/sq yd; .024” thick
GREEENGUARD Indoor Air Quality Certified
Microban anti-microbial protection inhibits the growth of stain-causing bacteria, mold and mildew
Phifer Trackless Technology minimizes the fiberglass yarn’s inherent qualities to track less and roll up straighter
Meets or exceeds Federal Flame Resistant Test for Specification NFPA 701-1999 TM#1 (Small Scale);
California US Title 19 (small scale), NFPA 701 (Class A Rating), UBC (Class I), British Standard 5867;
NFPA 701 TM#2 Large Scale, Bacteria and Fungal Resistance ASTM-G21 and ASTM-G22

Solar heat control properties-Fabric installed internally, zero-degrees profile angle

<table>
<thead>
<tr>
<th></th>
<th>Ts</th>
<th>Rs</th>
<th>As</th>
<th>1/8CL</th>
<th>1/4CL</th>
<th>1/4HA</th>
</tr>
</thead>
<tbody>
<tr>
<td>605 Pearl</td>
<td>18</td>
<td>68</td>
<td>13</td>
<td>0.31</td>
<td>0.32</td>
<td>0.30</td>
</tr>
<tr>
<td>725 Sand</td>
<td>10</td>
<td>60</td>
<td>9</td>
<td>0.36</td>
<td>0.36</td>
<td>0.34</td>
</tr>
<tr>
<td>760 Silver</td>
<td>6</td>
<td>50</td>
<td>6</td>
<td>0.43</td>
<td>0.42</td>
<td>0.36</td>
</tr>
</tbody>
</table>

SheerWeave 2500

SheerWeave 1000

SheerWeave 2000

SheerWeave 2390

SheerWeave 2410

SheerWeave 2500

SheerWeave 2500

SheerWeave 2500

SheerWeave 2500

SheerWeave 2500

SheerWeave 2500

SheerWeave 2500
Genesis Material Specifications

- **SheerWeave 3000**
  35% Fiberglass, 65% PVC, 31% Poly, 69% Vinyl on Poly;
  UV blockage approximately 86%; Average openness factor 14%; 14.6 oz/sq yd; .031" thick
  GREENGUARD Indoor Air Quality Certified

- Microban anti-microbial protection inhibits the growth of stain-causing bacteria, mold and mildew
- Microban Trackless Technology minimizes the fiberglass yarn's inherent qualities to track less and roll up straighter
- Meets or exceeds Federal Flame Resistant Test for Specification NFPA 701-1999 TM#1 (Small Scale)
- NFPA 701 TM #2 Large Scale; NFPA 101 (Class A Rating), and UBC (Class 1)
- Meets or exceeds British Standard 5867; Part 2: 1980 (1993) Type B Performance Requirements

**Solar heat control properties-Fabric installed internally, zero-degrees profile angle**

<table>
<thead>
<tr>
<th></th>
<th>Solar-Optical Properties</th>
<th>Shading Coefficient w/</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Ts</td>
<td>Rs</td>
</tr>
<tr>
<td>011 Pearl White</td>
<td>24</td>
<td>62</td>
</tr>
<tr>
<td>048 Mushroom Sand</td>
<td>23</td>
<td>46</td>
</tr>
<tr>
<td>047 Chocolate</td>
<td>14</td>
<td>5</td>
</tr>
<tr>
<td>083 Pale Grey</td>
<td>20</td>
<td>42</td>
</tr>
<tr>
<td>239 Custard Cream</td>
<td>23</td>
<td>53</td>
</tr>
<tr>
<td>375 Granite</td>
<td>14</td>
<td>10</td>
</tr>
</tbody>
</table>

- **SheerWeave 4100**
  25% Polyester/75% PVC; UV blockage approximately 90%; Average openness factor 10%; 17.5 oz/sq yd; .035" thick
  GREENGUARD Indoor Air Quality Certified

- Microban anti-microbial protection inhibits the growth of stain-causing bacteria, mold and mildew
- Meets or exceeds Federal Flame Resistant Test for Specification NFPA 701-1999 TM#1 (Small Scale)
- Meets or exceeds California Title 19, Section 1272 & 1237, California Administrative Health & Safety Code,
  Small Scale Test for interior fabric and Registration FA-44203 & FA-44207
- Meets or exceeds British Standard 5867; Part 2: 1980 (1993) Type B Performance Requirements

**Solar heat control properties-Fabric installed internally, zero-degrees profile angle**

<table>
<thead>
<tr>
<th></th>
<th>Solar-Optical Properties</th>
<th>Shading Coefficient w/</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Ts</td>
<td>Rs</td>
</tr>
<tr>
<td>11 Chalk</td>
<td>18</td>
<td>66</td>
</tr>
<tr>
<td>07 Alabaster</td>
<td>19</td>
<td>58</td>
</tr>
<tr>
<td>48 Pebblestone</td>
<td>16</td>
<td>48</td>
</tr>
<tr>
<td>47 Tobacco</td>
<td>10</td>
<td>5</td>
</tr>
<tr>
<td>98 Silver Sand</td>
<td>12</td>
<td>26</td>
</tr>
</tbody>
</table>

- **SheerWeave 4400**
  25% Polyester/75% PVC; UV blockage approximately 97%; Average openness factor 3%; 20.7 oz/sq yd; .037" thick
  GREENGUARD Indoor Air Quality Certified

- Microban anti-microbial protection inhibits the growth of stain-causing bacteria, mold and mildew
- Meets or exceeds Federal Flame Resistant Test for Specification NFPA 701-1999 TM#1 (Small Scale)
- Meets or exceeds California Title 19, Section 1272 & 1237, California Administrative Health & Safety Code,
  Small Scale Test for interior fabric and Registration FA-44203 & FA-44207
- Meets or exceeds British Standard 5867; Part 2: 1980 (1993) Type B Performance Requirements

**Solar heat control properties-Fabric installed internally, zero-degrees profile angle**

<table>
<thead>
<tr>
<th></th>
<th>Solar-Optical Properties</th>
<th>Shading Coefficient w/</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Ts</td>
<td>Rs</td>
</tr>
<tr>
<td>007 Alabaster</td>
<td>10</td>
<td>62</td>
</tr>
<tr>
<td>048 Pebblestone</td>
<td>9</td>
<td>51</td>
</tr>
</tbody>
</table>

- **SheerWeave 5000**
  Bamboo Birch bark 28% Polyester 72% Vinyl
  Bamboo Wheat 27.5% Poly, 67% Vinyl, 5.5% Acrylic
  Bark Cedar 26% Poly, 88% Vinyl, 6% Acrylic
  Bark Tigereye 26% Poly, 68% Vinyl, 6% Acrylic
  Chenille Driftwood 48% Polyester, 51% Vinyl on Polyester
  Chenille Honey 49% Polyester, 51% Vinyl on Polyester
  Chenille Marshmallow 49% Polyester, 51% Vinyl on Polyester
  Honeycomb/Nugget 26% Poly, 68% Vinyl, 6% Acrylic
  Jute Parchment 49% Polyester, 51% Vinyl on Polyester
  Linen Cinnamon 45% Polyester, 55% Vinyl on Polyester
  Linen Cream 43% Polyester, 57% Vinyl on Polyester
  Linen Cranberry 45% Polyester, 55% Vinyl on Polyester
  Linen Fig 43% Polyester, 57% Vinyl on Polyester
  Marble Sand 28% Polyester 72% Vinyl
  Rattan Umber 27.5% Poly, 67% Vinyl, 5.5% Acrylic
  Tweed Buckeye 37% Poly, 63% Vinyl on Polyester
  Tweed Oatmeal 36% Polyester, 64% Vinyl on Polyester
  Wicker Mushroom 49% Polyester, 51% Vinyl on Polyester
  Wicker Straw 49% Polyester, 51% Vinyl on Polyester

  Green Weave Indoor Air Quality Certified, GREENGUARD Children and School Certified, GREENGUARD Select Certified
  for Commercial, Healthcare and Education
  Bacteria and Fungal Resistance ASTM-E2180 and ASTM-G21, ASTM G22; includes Microban antinicrobial additives
Genesis Material Specifications

**SheerWeave 5000 (Cont.)**
Solar heat control properties—Fabric installed internally, zero-degrees profile angle

<table>
<thead>
<tr>
<th></th>
<th>Single Insulating</th>
<th>1/4 CL</th>
<th>1/4 HA</th>
<th>1 CL</th>
<th>1 HA</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>1/8 CL</td>
<td>1/2 CL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>141 Bamboo Birchbark</td>
<td>21 59 20 18</td>
<td>0.40</td>
<td>0.39</td>
<td>0.35</td>
<td>0.37</td>
</tr>
<tr>
<td>880 Bamboo Wheat</td>
<td>19 29 52 16</td>
<td>0.60</td>
<td>0.58</td>
<td>0.45</td>
<td>0.56</td>
</tr>
<tr>
<td>145 Bark Cedar</td>
<td>22 17 61 16</td>
<td>0.69</td>
<td>0.66</td>
<td>0.49</td>
<td>0.64</td>
</tr>
<tr>
<td>843 Bark Tigereye</td>
<td>17 24 59 16</td>
<td>0.63</td>
<td>0.60</td>
<td>0.46</td>
<td>0.59</td>
</tr>
<tr>
<td>396 Chenille Driftwood</td>
<td>12 26 62 14</td>
<td>0.61</td>
<td>0.58</td>
<td>0.45</td>
<td>0.57</td>
</tr>
<tr>
<td>562 Chenille Honey</td>
<td>26 47 27 24</td>
<td>0.49</td>
<td>0.48</td>
<td>0.40</td>
<td>0.46</td>
</tr>
<tr>
<td>089 Chenille Marshmallow</td>
<td>16 67 17 15</td>
<td>0.32</td>
<td>0.33</td>
<td>0.32</td>
<td>0.31</td>
</tr>
<tr>
<td>543 Honeycomb Nugget</td>
<td>19 26 55 15</td>
<td>0.62</td>
<td>0.60</td>
<td>0.46</td>
<td>0.58</td>
</tr>
<tr>
<td>580 Jute Parchment</td>
<td>13 70 17 10</td>
<td>0.29</td>
<td>0.30</td>
<td>0.30</td>
<td>0.28</td>
</tr>
<tr>
<td>839 Linen Cinnamon</td>
<td>6 20 74 8</td>
<td>0.63</td>
<td>0.60</td>
<td>0.46</td>
<td>0.60</td>
</tr>
<tr>
<td>233 Linen Cranberry</td>
<td>7 17 76 8</td>
<td>0.65</td>
<td>0.62</td>
<td>0.47</td>
<td>0.62</td>
</tr>
<tr>
<td>235 Linen Cream</td>
<td>22 46 31 21</td>
<td>0.49</td>
<td>0.46</td>
<td>0.39</td>
<td>0.46</td>
</tr>
<tr>
<td>657 Linen Fig</td>
<td>6 15 79 8</td>
<td>0.67</td>
<td>0.63</td>
<td>0.48</td>
<td>0.63</td>
</tr>
<tr>
<td>725 Marble Sand</td>
<td>9 48 43 9</td>
<td>0.44</td>
<td>0.43</td>
<td>0.37</td>
<td>0.42</td>
</tr>
<tr>
<td>918 Rattan Umbre</td>
<td>18 27 55 12</td>
<td>0.61</td>
<td>0.59</td>
<td>0.45</td>
<td>0.57</td>
</tr>
<tr>
<td>095 Tweed Buckeye</td>
<td>9 28 63 9</td>
<td>0.58</td>
<td>0.56</td>
<td>0.44</td>
<td>0.55</td>
</tr>
<tr>
<td>825 Wicker Straw</td>
<td>14 48 38 13</td>
<td>0.46</td>
<td>0.45</td>
<td>0.38</td>
<td>0.43</td>
</tr>
<tr>
<td>535 Wicker Mushroom</td>
<td>15 24 61 11</td>
<td>0.63</td>
<td>0.60</td>
<td>0.46</td>
<td>0.58</td>
</tr>
</tbody>
</table>

**SheerWeave 7000**
100% Polyester with Acrylic Foamed Backing; PVC and Lead Free; 10 oz/sq yd; .018" thick
GREEENGUARD Indoor Air Quality Certified; GREENGUARD Children and School Certified, GREENGUARD Select Certified for Commerical, Healthcare and Education
Fire Classification - California US Title 19 (Small Scale), NFPA 701-2004 TM #1 (small scale), BS 5867 2008 Part 2 Type B Perf, and CAN/ULC-S109-03 (large and small scale)

**Solar heat control properties—Fabric installed internally, zero-degrees profile angle**

<table>
<thead>
<tr>
<th></th>
<th>Single Insulating</th>
<th>1/4 CL</th>
<th>1/4 HA</th>
<th>1 CL</th>
<th>1 HA</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>1/8 CL</td>
<td>1/2 CL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>885 White</td>
<td>0 64 36 0</td>
<td>0.31</td>
<td>0.31</td>
<td>0.30</td>
<td>0.30</td>
</tr>
<tr>
<td>562 Onyx</td>
<td>0 64 36 0</td>
<td>0.31</td>
<td>0.31</td>
<td>0.30</td>
<td>0.30</td>
</tr>
</tbody>
</table>

**SheerWeave Infinity 2**
100% TPO-20% TPO fiber yarn/80% TPO Coating/ Yarn
3% is 13.69 oz/sq yd, 5% is 12.82 oz/sq yd; 3% is .031 in thick, 5% is .030 in thick
UV Blockage approximately 97% for 3% openness; UV Blockage approximately 95% for 5% openness
Infinity’s core yarn and coating are PVC-free, lead-free and 100% recyclable
GREEENGUARD Indoor Air Quality Certified; GREENGUARD Children and School Certified, GREENGUARD Select Certified for Commerical, Healthcare and Education
Meets or exceeds Federal Flame Resistant Test for NFPA 701 (Small Scale)
Bacteria and Fungal Resistance ASTM-E2180 and ASTM-G22, AATCC30 Part 3, ASTM G21, ASTM D3273, GREENGUARD Mold and Bacteria Standard ASTM 6329; includes Microban antimicrobial additives

**3% Openness - Solar heat control properties—Fabric installed internally, zero-degrees profile angle**

<table>
<thead>
<tr>
<th></th>
<th>Single Insulating</th>
<th>1/4 CL</th>
<th>1/4 HA</th>
<th>1 CL</th>
<th>1 HA</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>1/8 CL</td>
<td>1/2 CL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>347 Almond</td>
<td>17 61 23 15</td>
<td>0.37</td>
<td>0.42</td>
<td>0.36</td>
<td>0.40</td>
</tr>
<tr>
<td>820 Stone</td>
<td>12 52 36 11</td>
<td>0.42</td>
<td>0.42</td>
<td>0.36</td>
<td>0.40</td>
</tr>
<tr>
<td>911 Cotton</td>
<td>20 70 10 19</td>
<td>0.31</td>
<td>0.32</td>
<td>0.31</td>
<td>0.29</td>
</tr>
</tbody>
</table>

**5% Openness - Solar heat control properties—Fabric installed internally, zero-degrees profile angle**

<table>
<thead>
<tr>
<th></th>
<th>Single Insulating</th>
<th>1/4 CL</th>
<th>1/4 HA</th>
<th>1 CL</th>
<th>1 HA</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>1/8 CL</td>
<td>1/2 CL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>347 Almond</td>
<td>20 60 20 18</td>
<td>0.39</td>
<td>0.38</td>
<td>0.34</td>
<td>0.36</td>
</tr>
<tr>
<td>820 Stone</td>
<td>15 52 33 14</td>
<td>0.43</td>
<td>0.42</td>
<td>0.37</td>
<td>0.41</td>
</tr>
<tr>
<td>911 Cotton</td>
<td>23 68 9 22</td>
<td>0.34</td>
<td>0.34</td>
<td>0.32</td>
<td>0.31</td>
</tr>
</tbody>
</table>

**SheerWeave Perf + 2390**
34% Fiberglass, 64% Vinyl on Fiberglass and 2% Aluminum Coating; UV Blockage approximately 95% for 5% openness
3% is 14.1 oz/sq yd, 5% is 11.8 oz/sq yd; 3% is .019 in thick, 5% is .018 in thick
GREEENGUARD Indoor Air Quality Certified; GREENGUARD Children and School Certified, GREENGUARD Select Certified for Commerical, Healthcare and Education
Meets or exceeds Federal Flame Resistant Test for NFPA 701 (Small Scale)
Bacteria and Fungal Resistance ASTM-E2180 and ASTM-G22, AATCC30 Part 3, ASTM G21, ASTM D3273, GREENGUARD Mold and Bacteria Standard ASTM 6329; includes Microban antimicrobial additives

**Solar Heat Control Properties**

<table>
<thead>
<tr>
<th>Solar Trans</th>
<th>Solar Ref Out</th>
<th>Light Trans</th>
<th>Light Ref</th>
<th>UV Trans</th>
<th>Light Trans</th>
<th>SHGC</th>
<th>SC</th>
<th>in W/m2K</th>
<th>Light Trans</th>
<th>g-Value</th>
<th>Light Trans</th>
<th>g-Value</th>
<th>SC</th>
<th>in W/m2K</th>
</tr>
</thead>
</table>
Genesis Material Specifications

- **SheerWeave Perf + 2410**  
  34% Fiberglass, 64% Vinyl on Fiberglass and 2% Aluminum Coating; UV Blockage approximately 97% for 3% openness  
  3% is 14.1 oz/sq yd, 5% is 11.8 oz/sq yd; 3% is 3%-0.019 in thick, 5% is .018 in thick  
  GREEENGUARD Indoor Air Quality Certified; GREEENGUARD Children and School Certified, GREEENGUARD Select Certified for Commercial, Healthcare and Education  
  Meets or exceeds Federal Flame Resistant Test for NFPA 701 (Small Scale)  
  Bacteria and Fungal Resistance ASTM E2180 and ASTM G22, AATCC30 Part 3, ASTM G21, ASTM D3273, GREEENGUARD Mold and Bacteria Standard ASTM 6329; includes Microban antimicrobial additives  

- **5%** is 5%-.018 in thick, 5% is .018 in thick  
  - **Lead Free:** RoHS/Directive 2002/95/EC, US CPSC Section 101 and ANSI/WCMA A100.1-2007 for lead content and REACH compliant

- **Solar Heat Control Properties**

<table>
<thead>
<tr>
<th>Solar</th>
<th>Trans</th>
<th>Solar</th>
<th>Light</th>
<th>Light</th>
<th>Light</th>
<th>UV</th>
<th>Light</th>
<th>High Performance Glass</th>
<th>G-Value/SHGC</th>
<th>SC</th>
<th>U-Value</th>
<th>6 mm Single Bronze Glass</th>
<th>SC</th>
<th>U-Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>605 Pearl</td>
<td>5</td>
<td>73</td>
<td>5</td>
<td>72</td>
<td>3</td>
<td>3</td>
<td>15</td>
<td>17</td>
<td>0.8</td>
<td>2</td>
<td>19</td>
<td>22</td>
<td>2.4</td>
<td></td>
</tr>
<tr>
<td>725 Sand</td>
<td>5</td>
<td>73</td>
<td>5</td>
<td>72</td>
<td>4</td>
<td>4</td>
<td>15</td>
<td>17</td>
<td>0.8</td>
<td>2</td>
<td>19</td>
<td>22</td>
<td>2.4</td>
<td></td>
</tr>
<tr>
<td>780 Silver</td>
<td>4</td>
<td>73</td>
<td>4</td>
<td>72</td>
<td>4</td>
<td>4</td>
<td>15</td>
<td>17</td>
<td>0.8</td>
<td>2</td>
<td>19</td>
<td>22</td>
<td>2.4</td>
<td></td>
</tr>
</tbody>
</table>

- **Spector**  
  100% Polyester; 0.0486 lbs/sq ft.; Meets or exceeds Federal Flame Resistant Test for NFPA 701 (Small Scale)

- **Spiral**  
  100% Polyester; .0.1379 lbs/sq ft.; Oeko-Tex Standard 100 - Confidence in Textiles, Tested for harmful substances.

- **Strata**  
  100% Polyester; 186 gr/sq mtr; 0.0477 lbs/sq ft.; Meets or exceeds Federal Flame Resistant Test for NFPA 701 (Small Scale)  
  Unique solar protective coating (SPC) - A reflective coating applied to one side of the fabric only. The natural coloring and texture on the reverse side of the fabric is maintained.

- **Strie**  
  100% Polyester; 13.68 oz/linear yd.; .025" thick  
  Oeko-Tex Standard 100 - Confidence in Textiles, Tested for harmful substances.

- **Superwide**  
  100% Polyester; 326 gr/sq mtr; .016" thick  
  Environmentally friendly per Bamberger Kaliko:  
  Coating substances are free of solvents, free of chlorinated hydrocarbon, free of formaldehyde, contains no acid substances and therefore are eudermic, and are biodegradable.  
  For dying the grey-cloth and the coatings Bamberger uses highly-pigmented dyestuffs that are: not categorized as harmful substances, physiological harmless and non-carcinogenic.

- **T Screen with KOOLBLACK Technology**  
  36% Fiberglass, 64% Vinyl  
  Weight: 3% - 13 oz/sq yd; 5% - 12.48 oz/sq yd; 5% - 0.027" thick  
  Openness Factor: 3% - Approximately 3%; 5% - Approximately 5%  
  NFPA 701-2004 TM#1, California U.S. Title 19  
  GREEENGUARD Indoor Air Quality Certified  
  Bacterial and Fungal Resistance: ASTM G21, ASTM E2180  
  Environmental Benefits: RoHS-Lead Free

- **Tabago**  
  100% Polyester; 9.1712 oz/sq yd; 0.0244 in thick

- **Tahiti**  
  15% PVC, 85% Cellulose; 6.1 oz/sq yd; 0.044" thick

- **Triad**  
  70% PVC, 30% Polyester; 540 gr/sq mtr; 0.80 mm thick  
  GREEENGUARD Indoor Air Quality Certified; Oeko-Tex Standard 100 - Confidence in Textiles, Tested for harmful substances.  
  Meets or exceeds Federal Flame Resistant Test for NFPA 701 (Small Scale)  
  Colour Fastness: Class 4.5 (AATCC 16-2003)

- **Tussah**  
  100% Polyester, PVC Free

- **Valencia**  
  100% Polyester with Polymer coating on back side; 170 gr/sq mtr; .47 mm thick  
  Oeko-Tex Standard 100 - Confidence in Textiles, Tested for harmful substances.

- **Vanish**  
  100% Polyester with Polymer coating; 220-320 gr/sq mtr; .40 to .45 mm thick  
  Oeko-Tex Standard 100 - Confidence in Textiles, Tested for harmful substances.
Genesis Material Specifications

- **Viking (TFR)**
  100% Cotton with Vinyl Coating; 6.6 oz sq yd; 10 mm thick
  GREENGUARD Indoor Air Quality Certified
  Meets or exceeds CA Title #19, Section 12371.1 and Federal Test Method Standard 191, Method 5903
  Meets or exceeds Federal Flame Resistant Test for NFPA 701 (Small Scale-1999)

- **Vision**
  30% Polyester, 70% PVC; UV Blockage approximately 95%; 410 gr/sq mtr; .021” thick
  Oeko-Tex Standard 100 - Confidence in Textiles, Tested for harmful substances.
  Meets NFPA 701 (USA) and Oeko-Tex 100 and Color Fastness Class 4.5 (AATCC 16-2003)

  Solar heat control properties-Fabric installed internally, zero-degrees profile angle

<table>
<thead>
<tr>
<th></th>
<th>Ts</th>
<th>Rs</th>
<th>As</th>
<th>Tv</th>
<th>1/8” CL</th>
<th>1/4” CL</th>
<th>1/4” HA</th>
</tr>
</thead>
<tbody>
<tr>
<td>885 White</td>
<td>25</td>
<td>62</td>
<td>13</td>
<td>25</td>
<td>0.38</td>
<td>0.38</td>
<td>0.34</td>
</tr>
<tr>
<td>455 Linen</td>
<td>23</td>
<td>53</td>
<td>24</td>
<td>22</td>
<td>0.44</td>
<td>0.43</td>
<td>0.37</td>
</tr>
<tr>
<td>318 Ebony</td>
<td>05</td>
<td>05</td>
<td>90</td>
<td>06</td>
<td>0.74</td>
<td>0.70</td>
<td>0.52</td>
</tr>
<tr>
<td>035 Chocolate</td>
<td>07</td>
<td>07</td>
<td>86</td>
<td>07</td>
<td>0.74</td>
<td>0.70</td>
<td>0.51</td>
</tr>
</tbody>
</table>

- **Vista Screen**
  4% vacuum aluminum layer, 28% Polyester, 68% PVC; 410 gr/sq meter ± 5%; .53 mm thick ± 5%
  Openness Factor: Approximately 4%
  NFPA 701 (Class A)
  Oeko-Tex Standard 100
  GREENGUARD Indoor Air Quality Certified

  Fenestration Properties for Vista Screen (Toka Metalized)

<table>
<thead>
<tr>
<th></th>
<th>Ts</th>
<th>Rs</th>
<th>As</th>
<th>Tv</th>
<th>O-F</th>
<th>1/8” CL</th>
<th>1/4” CL</th>
<th>1/4” H.A.</th>
</tr>
</thead>
<tbody>
<tr>
<td>605 Pearl</td>
<td>11</td>
<td>45</td>
<td>44</td>
<td>14</td>
<td>7</td>
<td>0.47</td>
<td>0.46</td>
<td>0.38</td>
</tr>
<tr>
<td>725 Sand</td>
<td>9</td>
<td>46</td>
<td>45</td>
<td>15</td>
<td>6</td>
<td>0.46</td>
<td>0.45</td>
<td>0.35</td>
</tr>
<tr>
<td>098 Silver Sand</td>
<td>9</td>
<td>45</td>
<td>46</td>
<td>13</td>
<td>7</td>
<td>0.46</td>
<td>0.46</td>
<td>0.38</td>
</tr>
<tr>
<td>385 Grey</td>
<td>6</td>
<td>48</td>
<td>46</td>
<td>14</td>
<td>6</td>
<td>0.48</td>
<td>0.46</td>
<td>0.39</td>
</tr>
</tbody>
</table>

- **Vizela**
  100% Fiberglass/ EVA Coating PVC Free
  GREENGUARD Indoor Air Quality Certified
  Meets or exceeds Federal Flame Resistant Test for NFPA 701 (Small Scale)

  Solar heat control properties-Fabric installed internally, zero-degrees profile angle

<table>
<thead>
<tr>
<th></th>
<th>Ts</th>
<th>Rs</th>
<th>As</th>
<th>Tv</th>
<th>SC</th>
<th>CL</th>
<th>SHGC/G Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>105 Blanc</td>
<td>32</td>
<td>61</td>
<td>7</td>
<td>33</td>
<td>.46</td>
<td>.40</td>
<td>.39</td>
</tr>
<tr>
<td>600 Sahel</td>
<td>30</td>
<td>55</td>
<td>15</td>
<td>30</td>
<td>.49</td>
<td>.43</td>
<td>.40</td>
</tr>
<tr>
<td>608 Chartreux</td>
<td>20</td>
<td>39</td>
<td>41</td>
<td>17</td>
<td>.59</td>
<td>.51</td>
<td>.44</td>
</tr>
<tr>
<td>609 Louvre</td>
<td>10</td>
<td>22</td>
<td>68</td>
<td>8</td>
<td>.69</td>
<td>.60</td>
<td>.50</td>
</tr>
</tbody>
</table>

- **Wave**
  100% Polyester; 0.0426 lbs/sq ft.
  Oeko-Tex Standard 100 - Confidence in Textiles, Tested for harmful substances.

- **Weave**
  100% Polyester
  Oeko-Tex Standard 100 - Confidence in Textiles, Tested for harmful substances.

- **Willow**
  100% Polyester
  Oeko-Tex Standard 100 - Confidence in Textiles, Tested for harmful substances.

- **Yellowstone**
  58% Poly, 42% Polypropylene; 10.6 oz/sq yd; .030” thick
  Oeko-Tex Standard 100 - Confidence in Textiles, Tested for harmful substances.
OPACITY RATINGS

Different fabrics allow varying amounts of light into the room and provide different levels of privacy. Fabrics are generally classified in one of five categories; Sheer, Semi-Sheer, Semi-Opaque, Private and Opaque.

1 - Sheer - Allows light to enter while reducing glare.
2 - Semi-Sheer - Allows soft diffused light, moderate privacy
3 - Semi-Opaque - Allows only filtered light inside. Provides substantial privacy.
4 - Private - Filters more light, blocks view. Provides complete privacy.
5 - Opaque - Blocks 99% of light. Complete privacy and greatest light control.

Warning: Even though a material may be rated “opaque”, an inside application will have light leakage on the sides.

ECO FRIENDLY DESIGNATIONS / CERTIFICATIONS

- **GreenAssured**: GreenAssured is ITA’s proprietary certification program for environmentally compatible window fashion products with their brand. The program is supported by independent laboratory testing, using internationally recognized, officially sanctioned protocols. To become certified products must meet strict environmental criteria including airborne chemical emissions and the ecological impacts of the sourcing of raw materials, especially wood. ITA, Inc. developed and implemented the GreenAssured program in response to growing international awareness and concern about the effects of household products on indoor air quality, and the impact on local ecological systems of harvesting endangered or threatened species of trees for wood-based products. Both hard and soft window covering materials are tested for emissions of airborne chemicals cited by the U.S. Environmental Protection Agency (EPA) as dangerous to health and safety under the Superfund Amendments and Reauthorization Act, Section 313 (SARA 313), as well as particulates, other potentially harmful substances, and recyclability. To achieve certification, products must comply with emissions limitations and other standards such as: Total aldehydes, including formaldehyde; Volatile organic compounds (VOCs); Respirable particulates; Heat induced off-gas emissions.

- **GREENGUARD**: Indoor Air Quality Certified®. A product certification program for low emitting interior building materials, furnishings, and finish systems. All GREENGUARD Certified Products have been tested for their chemical emissions performance. The standard establishes certification procedures including test methods, allowable emissions levels, product sample collection and handling, testing type and frequency, and program application processes and acceptance. All products are tested in dynamic environmental chambers following the GREENGUARD test method, "Method for Measuring Various Chemical Emissions using Dynamic Environmental Chambers". The method follows the guidance of ASTM standard D-5116-06 and D-6670-01, the U.S. Environmental Protection Agency's testing protocol for furniture, the State of Washington's protocol for indoor furnishings and construction materials, and California's DHS standard practice for the Special Environmental Requirements, Specification Section 01350. Products are measured for emission levels, which must meet certain indoor air concentrations within seven (7) days of unpackaging.

- **GREENGUARD Children & Schools™**: This product certification program complies with the State of California's Department of Health Services Standard Practice (CA Section 01350) for testing chemical emissions from building products used in schools. As such, GREENGUARD Children & Schools Certified products can be used as a strategy to earn valueable credits in the CHPS Best Practices Manual for K-12. Children are more heavily exposed to environmental toxins than adults. They consume more food, water, and have higher inhalation rates per pound of body weight than adults. To account for inhalation exposure to young children with greater sensitivities, a body burden correction factor of .43 has been applied to current allowable emission levels for indoor materials and furnishings.

- **Oeko-Tex™ 100, Confidence in Textiles**: The Oeko-Tex Standard 100 provides the textile and clothing industry with a globally uniform standard for the objective assessment of harmful substances. Raw materials, intermediate and end products at all stages of processing throughout the manufacturing chain, including accessories, are tested and certified. Certification is obtained by application in writing from the manufacturer to one of the authorized test institutes or official offices around the globe. The samples submitted are tested exclusively in the member institutes in Europe and Japan in order to ensure a consistently high level of testing. The mark "Confidence in Textiles - Test for harmful substances according to Oeko-Tex Standard 100" states that the marked product fulfills the conditions specified in this standard, are under the supervision of an institute belonging to the International Association for Research and Testing in the field of Textile Ecology (Oeko-Tex). The mark is not a quality label. The mark relates only to the as-produced state of the textile and says nothing about other properties of the product such as e.g. fitness for use, reaction to cleaning processes, physiological behaviour in respect to clothing, properties relating to use in buildings, burning behaviour etc. This mark does not declare anything about harmful substances affecting single specimens of the marked textile as a result of damage during transportation or storing (and improper cleaning procedures thereafter), contamination caused by manipulation for sales promotion (e.g. perfuming) and inadequate sales display.

- **RoHS**: The RoHS directive aims to restrict certain dangerous substances commonly used in electronic and electronic equipment. Any RoHS compliant component is tested for the presence of Lead (Pb), Cadmium (Cd), Mercury (Hg), Hexavalent chromium (Hex-Cr), Polychlorinated biphenyls (PCB), and Polybrominated diphenyl ethers (PBDE). For Cadmium and Hexavalent chromium, there must be less than 0.1% of the substance by weight at raw homogeneous materials level. For Lead, PB, and PBDE, there must be no more than 0.1% of the material, when calculated by weight at raw homogeneous materials. Any RoHS compliant component must have 100 ppm or less of mercury and the mercury must not have been intentionally added to the component. In the EU, some military and medical equipment are exempt from RoHS compliance.
FENESTRATION DEFINITIONS

- **CL** = Clear Glass
- **HA** = Heat Absorbing Glass
- **Solar Gain**: The amount of heat increase resulting from solar energy entering a room. It is the total of three separate parts - the amount of energy transmitted directly into the room, the energy which is absorbed by the blind and a proportion of the energy which is absorbed by the window.
- **The Winter R-value Double Glazing** is approximately 2.0 for window shades. The R-value measures the resistance to heat flow. The higher the R-value, the more insulation a product provides.
- **Total Solar Transmittance (Ts)**: The ratio of the amount of total solar energy in the full solar wavelength range (300-2,100 nanometers) that is allowed to pass through a glazing system to the amount of total solar energy falling on that glazing system. Value is expressed as a percent.
- **Total Solar Reflectance (Rs)**: The ratio of total solar energy which is reflected outward by a glazing system to the amount of total solar energy falling on the glazing system. On filmed windows, this reflectance is a function of the side of the film facing the window surface. Value is expressed as a percent.
- **Total Solar Absorptance (As)**: The ratio of the amount of total energy absorbed by a glazing system to the amount of total solar energy falling on the glazing system. Solar absorption is that portion of total solar energy neither transmitted nor reflected.
- **Visible Light Transmittance (Tv)**: The ratio of the amount of total visible solar energy (380-780 nanometers) that is allowed to pass through a glazing system to the amount of total visible solar energy falling on the glazing system. Value is expressed as a percent. Glare is influenced by visible light transmittance through a glazing system.
- **Ultra-Violet (UV) Transmittance**: The ratio of the amount of total UV solar energy (300-380 nanometers) that is allowed to pass through a glazing system to the amount of total UV solar energy falling on the glazing system. Value is expressed as a percent. Ultra-Violet is one portion of the total energy spectrum which greatly contributes to fading and deterioration of fabric and furnishings.
- **U-Factor**: The overall heat transfer coefficient of the glazing system. U-Factor, is a measure of the heat transfer that occurs through the glazing system, and its outer and inner surfaces. This value is a function of temperature and is expressed in btu per square foot per hour per degree-fahrenheit (btu/sq. ft/hr./f). The lower the U-factor, the better the insulation qualities of the glazing system.
- **Shading Coefficient (SC)**: The ratio of the solar heat gain through a given glazing system to the solar heat gain under the same conditions for clear, unshaded double strength window glass (dsa). Shading coefficient defines the sun control capability of the glazing system. The lower the shading coefficient, the greater the capacity of the window shade to control solar energy.
- **% Total Energy Rejected**: The percent of incident solar energy rejected by a glazing system equals solar reflectance plus the part of solar absorption which is reradiated outward.

OTHER PROPERTIES

- **Microban® Antimicrobial Protection**: The Microban Antimicrobial Protection works continuously for the lifetime of the shade fabric to inhibit the growth of stain-causing bacteria, mold and mildew. SheerWeave fabrics infused with Microban antimicrobial technology are ideal for any commercial or residential environment where microbes are a concern including: Healthcare, Hospitality, Home & Office, Schools and Institutions.
- **Phifer Trackless™ Technology**: Minimizes the fiberglass yarn's inherent qualities to track less and roll up straighter. This technology also eliminates the need to shem shades due to fabric tracking issues.

FABRIC CARE & CLEANING

- Shade fabrics can be cleaned periodically using a vacuum with a soft bristle attachment.
- Shade fabrics with fiberglass or PVC can usually be wiped gently with mild detergent. We recommend testing a small area prior to cleaning the entire shade.
- Pattern Hainje is a paper based material and is not recommended to come in contact with water.
- Ultrasonic cleaning is not recommended.

PHIFER SHEERWEAVE CLEANING INSTRUCTIONS

Cleaning Instructions specific to SheerWeave fabrics

The following cleaning practices will not affect the products' ability to resist the growth of microorganisms.

- Clean with mild soap and water.
- If cleaners other than mild soap and water are desired, test in an inconspicuous area, prior to use.
- Avoid strong cleaners and disinfectants, especially those containing quaternary ammonium compounds and phenols.
- Rinse thoroughly after cleaning.
- Paint solvents will damage the vinyl surface of the SheerWeave products and should NOT be used.