UNCOATED GLASS

Type: Clear Insulating Glass
Clear + Clear by Vitro Architectural Glass

Outdoor Lite: Clear (transparent) Float Glass
Indoor Lite: Clear (transparent) Float Glass

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>79%</td>
<td>0.47</td>
<td>0.50</td>
<td>0.70</td>
<td>0.81</td>
<td>15%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Clear
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Uncoated Ultra-Clear Float Glass
“Starphire®” + “Starphire” by Vitro Architectural Glass

Outdoor Lite: “Starphire” (ultra-clear) Float Glass by Vitro Architectural Glass
Indoor Lite: “Starphire” (ultra-clear) Float Glass by Vitro Architectural Glass

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>84%</td>
<td>0.47</td>
<td>0.50</td>
<td>0.82</td>
<td>0.94</td>
<td>15%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Ultra-clear
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
UNCOATED TINTED GLASS

Type: Uncoated Tinted Insulating Glass
“Solexia®” + Clear by Vitro Architectural Glass

Outdoor Lite: “Solexia” Float Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass
Tint Color: “Solexia” by Vitro Architectural Glass

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>69%</td>
<td>0.47</td>
<td>0.50</td>
<td>0.50</td>
<td>0.57</td>
<td>13%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Glass-specific approval not required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Light-green
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Uncoated Tinted Insulating Glass
“Atlantica®” + Clear by Vitro Architectural Glass

Outdoor Lite: “Atlantica” Float Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass
Tint Color: “Atlantica” by Vitro Architectural Glass

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>60%</td>
<td>0.47</td>
<td>0.50</td>
<td>0.41</td>
<td>0.47</td>
<td>11%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Glass-specific approval not required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Emerald-green
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Type: Uncoated Tinted Insulating Glass
“Azuria®” + Clear by Vitro Architectural Glass

Outdoor Lite: “Azuria” Float Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass
Tint Color: “Azuria” by Vitro Architectural Glass

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>61%</td>
<td>0.47</td>
<td>0.50</td>
<td>0.39</td>
<td>0.45</td>
<td>11%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Glass-specific approval not required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Aqua-blue
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Uncoated Tinted Insulating Glass
“Pacifica®” + Clear by Vitro Architectural Glass

Outdoor Lite: “Pacifica” Float Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass
Tint Color: “Pacifica” by Vitro Architectural Glass

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>38%</td>
<td>0.47</td>
<td>0.50</td>
<td>0.36</td>
<td>0.41</td>
<td>7%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Glass-specific approval not required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Deep-blue
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Type: Uncoated Tinted Insulating Glass
“Solarblue®” + Clear by Vitro Architectural Glass

Outdoor Lite: “Solarblue” Float Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass
Tint Color: “Solarblue” by Vitro Architectural Glass

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>50%</td>
<td>0.47</td>
<td>0.50</td>
<td>0.49</td>
<td>0.56</td>
<td>9%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Glass-specific approval not required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Light sky-blue
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Uncoated Tinted Insulating Glass
“Solarbronze®” + Clear by Vitro Architectural Glass

Outdoor Lite: “Solarbronze” Float Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass
Tint Color: “Solarbronze” by Vitro Architectural Glass

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>47%</td>
<td>0.47</td>
<td>0.50</td>
<td>0.51</td>
<td>0.59</td>
<td>8%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Glass-specific approval not required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Warm-bronze
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Type: Uncoated Tinted Insulating Glass
“Solargray®” + Clear by Vitro Architectural Glass

Outdoor Lite: “Solargray” Float Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass
Tint Color: “Solargray” by Vitro Architectural Glass

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>40%</td>
<td>0.47</td>
<td>0.50</td>
<td>0.46</td>
<td>0.53</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Glass-specific approval not required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Cool light-gray
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Uncoated Tinted Insulating Glass
“Graylite®” II + Clear by Vitro Architectural Glass

Outdoor Lite: “Graylite” II Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass
Tint Color: “Graylite” II by Vitro Architectural Glass

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>8%</td>
<td>0.47</td>
<td>0.50</td>
<td>0.22</td>
<td>0.25</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Glass-specific approval not required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Dark-gray
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Type: Uncoated Tinted Insulating Glass  
“Optigray®” + Clear by Vitro Architectural Glass

Outdoor Lite: “Optigray” Glass by Vitro Architectural Glass  
Indoor Lite: Clear (transparent) Float Glass  
Tint Color: “Optigray” Glass by Vitro Architectural Glass

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>56%</td>
<td>0.47</td>
<td>0.50</td>
<td>0.52</td>
<td>0.60</td>
<td>10%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Ultra-neutral, light-gray
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

SOLAR CONTROL LOW-E INSULATING GLASS

Type Solar Control Low-E Clear Insulating Glass  
“Solarban®” 60 (2) Clear + Clear by Vitro Architectural Glass

Outdoor Lite: Clear Glass, Sputter Coated on second surface (2)  
Indoor Lite: Clear (transparent) Float Glass  
Low-E Coating: “Solarban” 60 Solar Control (Sputtered) by Vitro Architectural Glass  
Location: Second Surface (2)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>70%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.39</td>
<td>0.45</td>
<td>11%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Clear
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Type: Solar Control Ultra-Clear Low-E Clear Insulating Glass
“Solarban®” 60 (2) “Starphire®” + “Starphire” by Vitro Architectural Glass

Outdoor Lite: “Starphire” (ultra-clear) Float Glass by Vitro Architectural Glass, Sputter Coated on second surface (2)
Indoor Lite: “Starphire” (ultra-clear) Float Glass
Low-E Coating: “Solarban” 60 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Second Surface (2)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>74%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.41</td>
<td>0.48</td>
<td>11%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Ultra-clear
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Solar Control Low-E Tinted Insulating Glass
“Solarban®” 60 (2) “Solexia®” + Clear by Vitro Architectural Glass

Outdoor Lite: “Solexia” Glass by Vitro Architectural Glass, Sputter Coated on second surface (2)
Indoor Lite: Clear (transparent) Float Glass
Low-E Coating: “Solarban” 60 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Second Surface (2)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
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<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>61%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.32</td>
<td>0.37</td>
<td>9%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Light-green
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Architectural Glass Product Specifications

Type: Solar Control Low-E Tinted Insulating Glass
“Solarban®” 60 (2) “Atlantica®” + Clear by Vitro Architectural Glass

Outdoor Lite: “Atlantica” Glass by Vitro Architectural Glass, Sputter Coated on second surface (2)
Indoor Lite: Clear (transparent) Float Glass
Low-E Coating: “Solarban” 60 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Second Surface (2)

Performance Values

<table>
<thead>
<tr>
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<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>53%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.27</td>
<td>0.32</td>
<td>8%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Emerald-green
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Solar Control Low-E Tinted Insulating Glass
“Solarban®” 60 (2) “Azuria®” + Clear by Vitro Architectural Glass

Outdoor Lite: “Azuria” Glass by Vitro Architectural Glass, Sputter Coated on second surface (2)
Indoor Lite: Clear (transparent) Float Glass
Low-E Coating: “Solarban” 60 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Second Surface (2)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
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<th>U-Value Summer</th>
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<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>54%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.28</td>
<td>0.32</td>
<td>8%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Aqua-blue
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Architectural Glass Product Specifications

Type: Solar Control Low-E Tinted Insulating Glass
“Solarban®” 60 (2) “Pacifica®” + Clear by Vitro Architectural Glass

Outdoor Lite: “Pacifica” Glass by Vitro Architectural Glass, Sputter Coated on second surface (2)
Indoor Lite: Clear (transparent) Float Glass
Low-E Coating: “Solarban” 60 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Second Surface (2)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
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<th>U-Value Summer</th>
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<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>34%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.22</td>
<td>0.26</td>
<td>6%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Deep-blue
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Solar Control Low-E Tinted Insulating Glass
“Solarban®” 60 (2) “Solarblue®” + Clear by Vitro Architectural Glass

Outdoor Lite: “Solarblue” Glass by Vitro Architectural Glass, Sputter Coated on second surface (2)
Indoor Lite: Clear (transparent) Float Glass
Low-E Coating: “Solarban” 60 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Second Surface (2)

Performance Values

<table>
<thead>
<tr>
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<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>45%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.28</td>
<td>0.33</td>
<td>7%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Light sky-blue
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Architectural Glass Product Specifications

**Type: Solar Control Low-E Tinted Insulating Glass**
“Solarban®” 60 (2) “Solarbronze®” + Clear by Vitro Architectural Glass

**Outdoor Lite:** “Solarbronze” Glass by Vitro Architectural Glass, Sputter Coated on second surface (2)
**Indoor Lite:** Clear (transparent) Float Glass
**Low-E Coating:** “Solarban” 60 Solar Control (Sputtered) by Vitro Architectural Glass
**Location:** Second Surface (2)

<table>
<thead>
<tr>
<th>Performance Values</th>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>42%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.28</td>
<td>0.32</td>
<td>7%</td>
</tr>
</tbody>
</table>

**Approved Manufacturers:** Vitro Certified™ Fabricator Required
**Certification:** Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
**Outdoor Appearance:** Warm-bronze
**Insulating Unit Construction:** 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

**Type: Solar Control Low-E Tinted Insulating Glass**
“Solarban®” 60 (2) “Solargray®” + Clear by Vitro Architectural Glass

**Outdoor Lite:** “Solargray” Glass by Vitro Architectural Glass, Sputter Coated on second surface (2)
**Indoor Lite:** Clear (transparent) Float Glass
**Low-E Coating:** “Solarban” 60 Solar Control (Sputtered) by Vitro Architectural Glass
**Location:** Second Surface (2)

<table>
<thead>
<tr>
<th>Performance Values</th>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>35%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.25</td>
<td>0.29</td>
<td>6%</td>
</tr>
</tbody>
</table>

**Approved Manufacturers:** Vitro Certified™ Fabricator Required
**Certification:** Both lites to be Cradle to Cradle certified, minimum Bronze Level by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
**Outdoor Appearance:** Cool light-gray
**Insulating Unit Construction:** 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Type: Solar Control Tinted Insulating Glass
“Solarban®” 60 (2) “Optigray®” + Clear by Vitro Architectural Glass

Outdoor Lite: “Optigray” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass
Low-E Coating: “Solarban” 60 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Second Surface (2)

Performance Values

<table>
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<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>50%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.30</td>
<td>0.35</td>
<td>8%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Ultra-neutral, light-gray
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Solar Control Low-E Tinted Insulating Glass
“Solexia®” + “Solarban®” 60 (3) Clear by Vitro Architectural Glass

Outdoor Lite: “Solexia” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass, Sputter Coated on third surface (3)
Low-E Coating: “Solarban” 60 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Third Surface (3)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>61%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.37</td>
<td>0.42</td>
<td>10%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Light-green
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Architectural Glass Product Specifications

Type: Solar Control Low-E Tinted Insulating Glass
“Atlantica®” + “Solarban®” 60 (3) Clear by Vitro Architectural Glass

Outdoor Lite: “Atlantica” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass, Sputter Coated on third surface (3)
Low-E Coating: “Solarban” 60 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Third Surface (3)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>53%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.31</td>
<td>0.36</td>
<td>9%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Emerald-green
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Solar Control Low-E Tinted Insulating Glass
“Azuria®” + “Solarban®” 60 (3) Clear by Vitro Architectural Glass

Outdoor Lite: “Azuria” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass, Sputter Coated on third surface (3)
Low-E Coating: “Solarban” 60 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Third Surface (3)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
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</thead>
<tbody>
<tr>
<td>54%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.31</td>
<td>0.36</td>
<td>9%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Aqua-blue
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Type: Solar Control Low-E Tinted Insulating Glass
“Pacifica®” + “Solarban®” 60 (3) Clear by Vitro Architectural Glass

Outdoor Lite: “Pacifica” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass, Sputter Coated on third surface (3)
Low-E Coating: “Solarban” 60 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Third Surface (3)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>34%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.25</td>
<td>0.29</td>
<td>6%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Clear, coated lite to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Deep-blue
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Solar Control Low-E Tinted Insulating Glass
“Solarblue®” + “Solarban®” 60 (3) Clear by Vitro Architectural Glass

Outdoor Lite: “Solarblue” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass, Sputter Coated on third surface (3)
Low-E Coating: “Solarban” 60 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Third Surface (3)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
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<td>45%</td>
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<td>7%</td>
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</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Light sky-blue
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
**Type:** Solar Control Low-E Tinted Insulating Glass  
“Solarbronze®” + “Solarban®” 60 (3) Clear by Vitro Architectural Glass

**Outdoor Lite:** “Solarbronze” Glass by Vitro Architectural Glass  
**Indoor Lite:** Clear (transparent) Float Glass, Sputter Coated on third surface (3)  
**Low-E Coating:** “Solarban” 60 Solar Control (Sputtered) by Vitro Architectural Glass  
**Glass Location:** Third Surface (3)

**Performance Values**

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>42%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.32</td>
<td>0.37</td>
<td>7%</td>
</tr>
</tbody>
</table>

**Approved Manufacturers:** Vitro Certified™ Fabricator Required  
**Certification:** Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).  
**Outdoor Appearance:** Warm-bronze  
**Insulating Unit Construction:** 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

**Type:** Solar Control Low-E Tinted Insulating Glass  
“Solargray®” + “Solarban®” 60 (3) Clear by Vitro Architectural Glass

**Outdoor Lite:** “Solargray” Glass by Vitro Architectural Glass  
**Indoor Lite:** Clear (transparent) Float Glass, Sputter Coated on third surface (3)  
**Low-E Coating:** “Solarban” 60 Solar Control (Sputtered) by Vitro Architectural Glass  
**Glass Location:** Third Surface (3)

**Performance Values**

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
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<tbody>
<tr>
<td>35%</td>
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<td>0.27</td>
<td>0.29</td>
<td>0.33</td>
<td>7%</td>
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</tbody>
</table>

**Approved Manufacturers:** Vitro Certified™ Fabricator Required  
**Certification:** Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).  
**Outdoor Appearance:** Cool light-gray  
**Insulating Unit Construction:** 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Type: Solar Control Low-E Tinted Insulating Glass
“Graylite®” II + “Solarban®” 60 (3) Clear by Vitro Architectural Glass

Outdoor Lite: “Graylite” II Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass, Sputter Coated on third surface (3)
Low-E Coating: “Solarban” 60 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Third Surface (3)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
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<tr>
<td>7%</td>
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<td>0.14</td>
<td>4%</td>
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Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Dark-gray
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Solar Control Tinted Insulating Glass
“Optigray®” + “Solarban®” 60 (3) Clear by Vitro Architectural Glass

Outdoor Lite: “Optigray” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass, Sputter Coated on third surface (3)
Low-E Coating: “Solarban” 60 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Third Surface (3)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>50%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.35</td>
<td>0.40</td>
<td>8%</td>
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</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Ultra-neutral, light-gray
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Type: Solar Control Low-E Clear Insulating Glass
“Solarban®” 70XL (2) “Starphire®” + Clear by Vitro Architectural Glass

Outdoor Lite: “Starphire” (ultra-clear) Float Glass by Vitro Architectural Glass, Sputter Coated on second surface (2)
Indoor Lite: Clear (transparent) Float Glass
Low-E Coating: “Solarban” 70XL Solar Control (Sputtered) by Vitro Architectural Glass
Location: Second Surface (2)
† Solarban 70XL for annealed applications is applied to Starphire glass; heat-treated applications will require either clear or Starphire glass depending on manufacturing process.

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
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<tbody>
<tr>
<td>64%</td>
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<td>0.26</td>
<td>0.27</td>
<td>0.32</td>
<td>12%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Clear
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Solar Control Low-E Clear Insulating Glass
“Solarban®” 70XL (2) “Solexia®” + Clear by Vitro Architectural Glass

Outdoor Lite: “Solexia” Glass by Vitro Architectural Glass, Sputter Coated on second surface (2)
Indoor Lite: Clear (transparent) Float Glass
Low-E Coating: “Solarban” 70XL Solar Control (Sputtered) by Vitro Architectural Glass
Location: Second Surface (2)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
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<tr>
<td>58%</td>
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<td>0.27</td>
<td>0.31</td>
<td>10%</td>
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Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Light-green
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Type: Solar Control Low-E Clear Insulating Glass
“Solarban®” 70XL (2) “Atlantica® + Clear by Vitro Architectural Glass

Outdoor Lite: “Atlantica” Glass by Vitro Architectural Glass, Sputter Coated on second surface (2)
Indoor Lite: Clear (transparent) Float Glass
Low-E Coating: “Solarban” 70XL Solar Control (Sputtered) by Vitro Architectural Glass
Location: Second Surface (2)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
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</tr>
</thead>
<tbody>
<tr>
<td>51%</td>
<td>0.28</td>
<td>0.26</td>
<td>0.24</td>
<td>0.28</td>
<td>9%</td>
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Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Emerald-green
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Solar Control Low-E Clear Insulating Glass
“Solarban®” 70XL (2) “Azuria® + Clear by Vitro Architectural Glass

Outdoor Lite: “Azuria” Glass by Vitro Architectural Glass, Sputter Coated on second surface (2)
Indoor Lite: Clear (transparent) Float Glass
Low-E Coating: “Solarban” 70XL Solar Control (Sputtered) by Vitro Architectural Glass
Location: Second Surface (2)

Performance Values

<table>
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<tr>
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</thead>
<tbody>
<tr>
<td>52%</td>
<td>0.28</td>
<td>0.26</td>
<td>0.25</td>
<td>0.29</td>
<td>9%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Aqua-blue
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Type: Solar Control Low-E Clear Insulating Glass
“Solarban®” 70XL (2) “Pacifica®” + Clear by Vitro Architectural Glass

Outdoor Lite: “Pacifica” Glass by Vitro Architectural Glass, Sputter Coated on second surface (2)
Indoor Lite: Clear (transparent) Float Glass
Low-E Coating: “Solarban” 70XL Solar Control (Sputtered) by Vitro Architectural Glass
Location: Second Surface (2)

Performance Values

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>32%</td>
<td>0.28</td>
<td>0.26</td>
<td>0.19</td>
<td>0.22</td>
<td>6%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Deep-blue
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Solar Control Low-E Clear Insulating Glass
“Solarban®” 70XL (2) “Solarblue®” + Clear by Vitro Architectural Glass

Outdoor Lite: “Solarblue” Glass by Vitro Architectural Glass, Sputter Coated on second surface (2)
Indoor Lite: Clear (transparent) Float Glass
Low-E Coating: “Solarban” 70XL Solar Control (Sputtered) by Vitro Architectural Glass
Location: Second Surface (2)

Performance Values

<table>
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<tr>
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<th>U-Value Summer</th>
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<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>42%</td>
<td>0.28</td>
<td>0.26</td>
<td>0.23</td>
<td>0.26</td>
<td>8%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Light sky-blue
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Type: Solar Control Low-E Clear Insulating Glass
“Solarban®” 70XL (2) “Solarbronze®” + Clear by Vitro Architectural Glass

Outdoor Lite: “Solarbronze” Glass by Vitro Architectural Glass, Sputter Coated on second surface (2)
Indoor Lite: Clear (transparent) Float Glass
Low-E Coating: “Solarban” 70XL Solar Control (Sputtered) by Vitro Architectural Glass
Location: Second Surface (2)

Performance Values

<table>
<thead>
<tr>
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<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
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</thead>
<tbody>
<tr>
<td>40%</td>
<td>0.28</td>
<td>0.26</td>
<td>0.21</td>
<td>0.25</td>
<td>7%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Warm-bronze
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Solar Control Low-E Clear Insulating Glass
“Solarban®” 70XL (2) “Solargray®” + Clear by Vitro Architectural Glass

Outdoor Lite: “Solargray” Glass by Vitro Architectural Glass, Sputter Coated on second surface (2)
Indoor Lite: Clear (transparent) Float Glass
Low-E Coating: “Solarban” 70XL Solar Control (Sputtered) by Vitro Architectural Glass
Location: Second Surface (2)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
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<th>U-Value Summer</th>
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<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>34%</td>
<td>0.28</td>
<td>0.26</td>
<td>0.20</td>
<td>0.23</td>
<td>6%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Cool light-gray
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Type: Solar Control Tinted Insulating Glass
“Solarban®” 70 XL (2) “Optigray®” + Clear by Vitro Architectural Glass

Outdoor Lite: “Optigray” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass
Low-E Coating: “Solarban” 70XL Solar Control (Sputtered) by Vitro Architectural Glass
Location: Second Surface (2)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
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<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
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<tbody>
<tr>
<td>47%</td>
<td>0.28</td>
<td>0.26</td>
<td>0.24</td>
<td>0.28</td>
<td>8%</td>
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</tbody>
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Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Ultra-neutral, light-gray
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Solar Control Low-E Tinted Insulating Glass
“Solexia®” + “Solarban®” 70XL (3) † by Vitro Architectural Glass

Outdoor Lite: “Solexia” Glass by Vitro Architectural Glass
Indoor Lite: “Starphire®” (ultra-clear) Float Glass by Vitro Architectural Glass, Sputter Coated on third surface (3)
† Low-E Coating: “Solarban” 70XL Solar Control (Sputtered) by Vitro Architectural Glass
Location: Third Surface (3)
† Solarban 70XL for annealed applications is applied to Starphire glass; heat-treated applications will require either clear or Starphire glass depending on manufacturing process.

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>56%</td>
<td>0.28</td>
<td>0.26</td>
<td>0.32</td>
<td>0.37</td>
<td>11%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Light-green
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Architectural Glass Product Specifications

Type: Solar Control Low-E Tinted Insulating Glass
“Atlantica®+“Solarban®” 70XL (3) † by Vitro Architectural Glass

Outdoor Lite: “Atlantica” Glass by Vitro Architectural Glass
Indoor Lite: “Starphire®” (ultra-clear) Float Glass by Vitro Architectural Glass, Sputter Coated on third surface (3)
† Low-E Coating: “Solarban” 70XL Solar Control (Sputtered) by Vitro Architectural Glass
Location: Third Surface (3)
† Solarban 70XL for annealed applications is applied to Starphire glass; heat-treated applications will require either clear or Starphire glass depending on manufacturing process.

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>49%</td>
<td>0.28</td>
<td>0.26</td>
<td>0.28</td>
<td>0.32</td>
<td>10%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required.
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Emerald-green
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Solar Control Low-E Tinted Insulating Glass
“Azuria®” + “Solarban®” 70XL (3) † by Vitro Architectural Glass

Outdoor Lite: “Azuria” Glass by Vitro Architectural Glass
Indoor Lite: “Starphire®” (ultra-clear) Float Glass by Vitro Architectural Glass, Sputter Coated on third surface (3)
† Low-E Coating: “Solarban” 70XL Solar Control (Sputtered) by Vitro Architectural Glass
Location: Third Surface (3)
† Solarban 70XL for annealed applications is applied to Starphire glass; heat-treated applications will require either clear or Starphire glass depending on manufacturing process.

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>49%</td>
<td>0.28</td>
<td>0.26</td>
<td>0.29</td>
<td>0.33</td>
<td>9%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Aqua-blue
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Type: Solar Control Low-E Tinted Insulating Glass
“Pacifica®” + “Solarban®” 70XL (3) † by Vitro Architectural Glass

Outdoor Lite: “Pacifica” Glass by Vitro Architectural Glass
Indoor Lite: “Starphire®” (ultra-clear) Float Glass by Vitro Architectural Glass, Sputter Coated on third surface (3)
† Low-E Coating: “Solarban” 70XL Solar Control (Sputtered) by Vitro Architectural Glass
Location: Third Surface (3)
† Solarban 70XL for annealed applications is applied to Starphire glass; heat-treated applications will require either clear or Starphire glass depending on manufacturing process.

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>31%</td>
<td>0.28</td>
<td>0.26</td>
<td>0.22</td>
<td>0.26</td>
<td>6%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required.
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Deep-blue
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Solar Control Low-E Tinted Insulating Glass
“Solarblue®” + “Solarban®” 70XL (3) † by Vitro Architectural Glass

Outdoor Lite: “Solarblue” Glass by Vitro Architectural Glass
Indoor Lite: “Starphire®” (ultra-clear) Float Glass by Vitro Architectural Glass, Sputter Coated on third surface (3)
† Low-E Coating: “Solarban” 70XL Solar Control (Sputtered) by Vitro Architectural Glass
Location: Third Surface (3)
† Solarban 70XL for annealed applications is applied to Starphire glass; heat-treated applications will require either clear or Starphire glass depending on manufacturing process.

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>40%</td>
<td>0.28</td>
<td>0.26</td>
<td>0.27</td>
<td>0.32</td>
<td>8%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required.
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Light sky-blue
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Type:: Solar Control Low-E Tinted Insulating Glass
“Solarbronze®” + “Solarban®” 70XL (3) † by Vitro Architectural Glass

Outdoor Lite: “Solarbronze” Glass by Vitro Architectural Glass
Indoor Lite: “Starphire®” (ultra-clear) Float Glass by Vitro Architectural Glass, Sputter Coated on third surface (3)
† Low-E Coating: “Solarban” 70XL (Sputtered) by Vitro Architectural Glass
Location: Third Surface (3)
† Solarban 70XL for annealed applications is applied to Starphire glass; heat-treated applications will require either clear or Starphire glass depending on manufacturing process.

Performance Values

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<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>38%</td>
<td>0.28</td>
<td>0.26</td>
<td>0.26</td>
<td>0.30</td>
<td>8%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Warm-bronze
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type:: Solar Control Low-E Tinted Insulating Glass
“Solargray®” + “Solarban®” 70XL (3) † by Vitro Architectural Glass

Outdoor Lite: “Solargray” Glass by Vitro Architectural Glass
Indoor Lite: “Starphire®” (ultra-clear) Float Glass by Vitro Architectural Glass, Sputter Coated on third surface (3)
† Low-E Coating: “Solarban” 70XL (Sputtered) by Vitro Architectural Glass
Location: Third Surface
† Solarban 70XL for annealed applications is applied to Starphire glass; heat-treated applications will require either clear or Starphire glass depending on manufacturing process.

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>32%</td>
<td>0.28</td>
<td>0.26</td>
<td>0.24</td>
<td>0.27</td>
<td>7%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Cool light-gray
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Type: Solar Control Low-E Tinted Insulating Glass
“Graylite®” II + “Solarban®” 70XL (3) † by Vitro Architectural Glass

Outdoor Lite: “Graylite” II Glass by Vitro Architectural Glass
Indoor Lite: “Starphire®” (ultra-clear) Float Glass by Vitro Architectural Glass, Sputter Coated on third surface (3)
† Low-E Coating: “Solarban” 70XL Solar Control (Sputtered) by Vitro Architectural Glass
Location: Third Surface (3)
† Solarban 70XL for annealed applications is applied to Starphire glass; heat-treated applications will require either clear or Starphire glass depending on manufacturing process.

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>6%</td>
<td>0.28</td>
<td>0.26</td>
<td>0.11</td>
<td>0.13</td>
<td>4%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Dark-gray
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Solar Control Tinted Insulating Glass
“Optigray®” + “Solarban®” 70XL (3) † by Vitro Architectural Glass

Outdoor Lite: “Optigray” Glass by Vitro Architectural Glass
Indoor Lite: “Starphire®” (ultra-clear) Float Glass by Vitro Architectural Glass, Sputter Coated on third surface (3)
† Low-E Coating: “Solarban” 70XL Solar Control (Sputtered) by Vitro Architectural Glass
Location: Third Surface (3)
† Solarban 70XL for annealed applications is applied to Starphire glass; heat-treated applications will require either clear or Starphire glass depending on manufacturing process.

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>45%</td>
<td>0.28</td>
<td>0.26</td>
<td>0.29</td>
<td>0.33</td>
<td>9%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Ultra-neutral, light-gray
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Type: Solar Control Low-E Insulating Glass
“Solarban®” z50 (2) “Optiblue®” + Clear by Vitro Architectural Glass

Outdoor Lite: “Solarban z50 (2) Optiblue” Glass by Vitro Architectural Glass, Sputter Coated on second surface (2)
Indoor Lite: Clear (transparent) Float Glass
Low-E Coating: “Solarban” z50 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Second Surface (2)

<table>
<thead>
<tr>
<th>Performance Values</th>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>51%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.32</td>
<td>0.36</td>
<td>8%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Steel blue-gray
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Solar Control Low-E Insulating Glass
“Solarban®” z50 (2) “Optiblue®” + “Optiblue” by Vitro Architectural Glass

Outdoor Lite: “Solarban z50 (2) Optiblue” Glass by Vitro Architectural Glass, Sputter Coated on second surface (2)
Indoor Lite: “Optiblue” Glass by Vitro Architectural Glass
Low-E Coating: “Solarban” z50 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Second Surface (2)

<table>
<thead>
<tr>
<th>Performance Values</th>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>37%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.31</td>
<td>0.35</td>
<td>7%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Deep steel blue-gray
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Type: Solar Control Low-E Insulating Glass
“Solarban®” z75 (2) “Optiblue®” + Clear by Vitro Architectural Glass

Outdoor Lite: “Solarban z75 (2) Optiblue” Glass by Vitro Architectural Glass, Sputter Coated on second surface (2)
Indoor Lite: Clear (transparent) Float Glass
Low-E Coating: “Solarban” z75 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Second Surface (2)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>48%</td>
<td>0.28</td>
<td>0.26</td>
<td>0.24</td>
<td>0.28</td>
<td>9%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Steel blue-gray
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Solar Control Low-E Clear Insulating Glass
“Solarban®” 72 (2) “Starphire®” + “Starphire” by Vitro Architectural Glass

Outdoor Lite: “Starphire” (ultra-clear) Float Glass by Vitro Architectural Glass, Sputter Coated on second surface (2) for annealed and some heat-treated applications, depending on manufacturing process
Clear Glass by Vitro Architectural Glass, Sputter Coated on second surface (2) for heat-treated applications, depending on manufacturing process
Indoor Lite: “Starphire” (ultra-clear) Float Glass by Vitro Architectural Glass
Low-E Coating: “Solarban” 72 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Second Surface (2)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>68%</td>
<td>0.28</td>
<td>0.26</td>
<td>0.28</td>
<td>0.32</td>
<td>13%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Clear
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Type: Low-E Clear Insulating Glass
“Sungate®” 400 (2) Clear + Clear by Vitro Architectural Glass

Outdoor Lite: Clear Glass, Sputter Coated on second surface (2)
Indoor Lite: Clear (transparent) Float Glass
Low-E Coating: “Sungate” 400 (Sputtered) by Vitro Architectural Glass
Location: Second Surface (2)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>76%</td>
<td>0.32</td>
<td>0.31</td>
<td>0.60</td>
<td>0.69</td>
<td>14%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Glass-specific approval not required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Clear
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Low-E Clear Insulating Glass
“Sungate®” 400 (2) “Starphire®” + “Starphire” by Vitro Architectural Glass

Outdoor Lite: “Starphire” Glass by Vitro Architectural Glass, Sputter Coated on second surface (2)
Indoor Lite: “Starphire” (ultra-clear) Float Glass
Low-E Coating: “Sungate” 400 (Sputtered) by Vitro Architectural Glass
Location: Second Surface (2)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>80%</td>
<td>0.32</td>
<td>0.31</td>
<td>0.68</td>
<td>0.78</td>
<td>14%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Glass-specific approval not required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Clear
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Type: Low-E Tinted Insulating Glass
Clear + “Sungate®” 400 (3) Clear by Vitro Architectural Glass

Outdoor Lite: Clear (transparent) Float Glass
Indoor Lite: Clear (transparent) Float Glass, Sputter Coated on third surface (3)
Low-E Coating: “Sungate” 400 (Sputtered) by Vitro Architectural Glass
Location: Third Surface (3)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>76%</td>
<td>0.32</td>
<td>0.31</td>
<td>0.63</td>
<td>0.73</td>
<td>14%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Glass-specific approval not required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Clear
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Low-E Tinted Insulating Glass
“Solexia®” + “Sungate®” 400 (3) Clear by Vitro Architectural Glass

Outdoor Lite: “Solexia” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass, Sputter Coated on third surface (3)
Low-E Coating: “Sungate” 400 (Sputtered) by Vitro Architectural Glass
Location: Third Surface (3)

Performance Values

<table>
<thead>
<tr>
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<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>66%</td>
<td>0.32</td>
<td>0.31</td>
<td>0.44</td>
<td>0.50</td>
<td>11%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Glass-specific approval not required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Light-green
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Type: Low-E Tinted Insulating Glass
“Atlantica®” + “Sungate®” 400 (3) Clear by Vitro Architectural Glass

Outdoor Lite: “Atlantica” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass, Sputter Coated on third surface (3)
Low-E Coating: “Sungate” 400 (Sputtered) by Vitro Architectural Glass
Location: Third Surface (3)

Performance Values

<table>
<thead>
<tr>
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<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>58%</td>
<td>0.32</td>
<td>0.31</td>
<td>0.35</td>
<td>0.40</td>
<td>10%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Glass-specific approval not required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Emerald-green
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Low-E Tinted Insulating Glass
“Azuria®” + “Sungate®” 400 (3) Clear by Vitro Architectural Glass

Outdoor Lite: “Azuria” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass Sputter Coated on third surface (3)
Low-E Coating: “Sungate” 400 (Sputtered) by Vitro Architectural Glass
Location: Third Surface (3)

Performance Values

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<thead>
<tr>
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<th>U-Value Summer</th>
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</thead>
<tbody>
<tr>
<td>59%</td>
<td>0.32</td>
<td>0.31</td>
<td>0.34</td>
<td>0.39</td>
<td>10%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Glass-specific approval not required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Aqua-blue
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Type: Low-E Tinted Insulating Glass
“Pacifica®” + “Sungate®” 400 (3) Clear by Vitro Architectural Glass

Outdoor Lite: “Pacifica” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass Sputter Coated on third surface (3)
Low-E Coating: “Sungate” 400 (Sputtered) by Vitro Architectural Glass
Location: Third Surface (3)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>37%</td>
<td>0.32</td>
<td>0.31</td>
<td>0.30</td>
<td>0.34</td>
<td>7%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Glass-specific approval not required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Deep-blue
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Low-E Tinted Insulating Glass
“Solarblue®” + “Sungate®” 400 (3) Clear by Vitro Architectural Glass

Outdoor Lite: “Solarblue” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass Sputter Coated on third surface (3)
Low-E Coating: “Sungate” 400 (Sputtered) by Vitro Architectural Glass
Location: Third Surface (3)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
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</thead>
<tbody>
<tr>
<td>48%</td>
<td>0.32</td>
<td>0.31</td>
<td>0.42</td>
<td>0.49</td>
<td>8%</td>
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</tbody>
</table>

Approved Manufacturers: Vitro Glass-specific approval not required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Light sky-blue
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Type: Low-E Tinted Insulating Glass
“Solarbronze®” + “Sungate®” 400 (3) Clear by Vitro Architectural Glass

Outdoor Lite: “Solarbronze” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass Sputter Coated on third surface (3)
Low-E Coating: “Sungate” 400 (Sputtered) by Vitro Architectural Glass
Location: Third Surface (3)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
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<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
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</thead>
<tbody>
<tr>
<td>46%</td>
<td>0.32</td>
<td>0.31</td>
<td>0.44</td>
<td>0.50</td>
<td>8%</td>
</tr>
</tbody>
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Approved Manufacturers: Vitro Glass-specific approval not required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Warm-bronze
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Low-E Tinted Insulating Glass
“Solargray®” + “Sungate®” 400 (3) Clear by Vitro Architectural Glass

Outdoor Lite: “Solargray” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass Sputter Coated on third surface (3)
Low-E Coating: “Sungate” 400 (Sputtered) by Vitro Architectural Glass
Location: Third Surface (3)

Performance Values

<table>
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<tr>
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<td>0.32</td>
<td>0.31</td>
<td>0.39</td>
<td>0.44</td>
<td>7%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Glass-specific approval not required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Cool light-gray
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Architectural Glass Product Specifications

Type: Reflective Tinted Low-E Insulating Glass
“Graylite®” II + “Sungate®” 400 (3) Clear by Vitro Architectural Glass

Outdoor Lite: “Graylite” II Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass Sputter Coated on third surface (3)
Low-E Coating: “Sungate” 400 (Sputtered) by Vitro Architectural Glass
Location: Third Surface (3)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
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<tr>
<td>8%</td>
<td>0.32</td>
<td>0.31</td>
<td>0.15</td>
<td>0.17</td>
<td>4%</td>
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Approved Manufacturers: Vitro Glass-specific approval not required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Dark-gray
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Low-E Tinted Insulating Glass
“Optigray®” + “Sungate®” 400 (3) Clear by Vitro Architectural Glass

Outdoor Lite: “Optigray” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass Sputter Coated on third surface (3)
Low-E Coating: “Sungate” 400 (Sputtered) by Vitro Architectural Glass
Location: Third Surface (3)

Performance Values

<table>
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<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>54%</td>
<td>0.32</td>
<td>0.31</td>
<td>0.46</td>
<td>0.52</td>
<td>9%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Glass-specific approval not required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Ultra-neutral, light-gray
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Type: Solar Control Low-E Clear Insulating Glass

“Solarban®” 67 (2) Clear + Clear by Vitro Architectural Glass

Outdoor Lite: Clear (transparent) Float Glass, Sputter Coated on second surface (2)
Indoor Lite: Clear (transparent) Float Glass
Low-E Coating: “Solarban” 67 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Second Surface (2)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>Outdoor Visible Light Reflectance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
</tr>
</thead>
<tbody>
<tr>
<td>54%</td>
<td>19%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.29</td>
<td>0.33</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Clear
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Solar Control Ultra-Clear Low-E Insulating Glass

“Solarban®” 67 (2) “Starphire®” + “Starphire” by Vitro Architectural Glass

Outdoor Lite: “Starphire” (ultra-clear) Float Glass by Vitro Architectural Glass, Sputter Coated on second surface (2)
Indoor Lite: “Starphire” (ultra-clear) Float Glass
Low-E Coating: “Solarban” 67 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Second Surface (2)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>Outdoor Visible Light Reflectance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
</tr>
</thead>
<tbody>
<tr>
<td>57%</td>
<td>20%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.30</td>
<td>0.34</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Ultra-clear
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Type: Solar Control Low-E Tinted Insulating Glass
“Solarban®” 67 (2) “Solexia®” + Clear by Vitro Architectural Glass

Outdoor Lite: “Solexia” Glass by Vitro Architectural Glass, Sputter Coated on second surface (2)
Indoor Lite: Clear (transparent) Float Glass
Low-E Coating: “Solarban” 67 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Second Surface (2)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
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</thead>
<tbody>
<tr>
<td>47%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.25</td>
<td>0.29</td>
<td>16%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Light-green
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Solar Control Low-E Tinted Insulating Glass
“Solarban®” 67 (2) “Atlantica®” + Clear by Vitro Architectural Glass

Outdoor Lite: “Atlantica” Glass by Vitro Architectural Glass, Sputter Coated on second surface (2)
Indoor Lite: Clear (transparent) Float Glass
Low-E Coating: “Solarban” 67 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Second Surface (2)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>41%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.22</td>
<td>0.26</td>
<td>13%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Emerald-green
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Type: Solar Control Low-E Tinted Insulating Glass
“Solarban®” 67 (2) “Azuria®” + Clear by Vitro Architectural Glass

Outdoor Lite: “Azuria” Glass by Vitro Architectural Glass, Sputter Coated on second surface (2)
Indoor Lite: Clear (transparent) Float Glass
Low-E Coating: “Solarban” 67 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Second Surface (2)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>42%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.23</td>
<td>0.26</td>
<td>13%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Aqua-blue
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Solar Control Low-E Tinted Insulating Glass
“Solarban®” 67 (2) “Pacifica®” + Clear by Vitro Architectural Glass

Outdoor Lite: “Pacifica” Glass by Vitro Architectural Glass, Sputter Coated on second surface (2)
Indoor Lite: Clear (transparent) Float Glass
Low-E Coating: “Solarban” 67 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Second Surface (2)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>26%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.19</td>
<td>0.21</td>
<td>8%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Deep-blue
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Type: Solar Control Low-E Tinted Insulating Glass
“Solarban®” 67 (2) “Solarblue®” + Clear by Vitro Architectural Glass

Outdoor Lite: “Solarblue” Glass by Vitro Architectural Glass, Sputter Coated on second surface (2)
Indoor Lite: Clear (transparent) Float Glass
Low-E Coating: “Solarban” 67 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Second Surface (2)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
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<tbody>
<tr>
<td>34%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.22</td>
<td>0.26</td>
<td>10%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Light sky-blue
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Solar Control Low-E Tinted Insulating Glass
“Solarban®” 67 (2) “Optiblue®” + Clear by Vitro Architectural Glass

Outdoor Lite: “Solarban 67 (2) Optiblue” Glass by Vitro Architectural Glass, Sputter Coated on second surface (2)
Indoor Lite: Clear (transparent) Float Glass
Low-E Coating: “Solarban” 67 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Second Surface (2)

Performance Values

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<thead>
<tr>
<th>Visible Light Transmittance</th>
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<tbody>
<tr>
<td>39%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.25</td>
<td>0.28</td>
<td>12%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Steel blue-gray
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Architectural Glass Product Specifications

Type: Solar Control Low-E Tinted Insulating Glass
“Solarban®” 67 (2) “Solarbronze®” + Clear by Vitro Architectural Glass

Outdoor Lite: “Solarbronze” Glass by Vitro Architectural Glass, Sputter Coated on second surface (2)
Indoor Lite: Clear (transparent) Float Glass
Low-E Coating: “Solarban” 67 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Second Surface (2)

<table>
<thead>
<tr>
<th>Performance Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Visible Light Transmittance</td>
</tr>
<tr>
<td>32%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Warm-bronze
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Solar Control Low-E Tinted Insulating Glass
“Solarban®” 67 (2) “Solargray®” + Clear by Vitro Architectural Glass

Outdoor Lite: “Solargray” Glass by Vitro Architectural Glass, Sputter Coated on second surface (2)
Indoor Lite: Clear (transparent) Float Glass
Low-E Coating: “Solarban” 67 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Second Surface (2)

<table>
<thead>
<tr>
<th>Performance Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Visible Light Transmittance</td>
</tr>
<tr>
<td>27%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Cool light-gray
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Architectural Glass Product Specifications

Type: Solar Control Tinted Insulating Glass
“Solarban®” 67 (2) “Optigray®” + Clear by Vitro Architectural Glass

Outdoor Lite: “Optigray” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass
Low-E Coating: “Solarban” 67 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Second Surface (2)

Performance Values

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<tbody>
<tr>
<td>38%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.24</td>
<td>0.27</td>
<td>12%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Ultra-neutral, light-gray
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Solar Control Low-E Tinted Insulating Glass
“Atlantica®” + “Solarban®” 67 (3) Clear by Vitro Architectural Glass

Outdoor Lite: “Atlantica” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass, Sputter Coated on third surface (3)
Low-E Coating: “Solarban” 67 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Third Surface (3)

Performance Values

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<tr>
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<th>U-Value Summer</th>
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<th>Shading Coefficient</th>
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</thead>
<tbody>
<tr>
<td>41%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.29</td>
<td>0.33</td>
<td>11%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Emerald-green
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Type: Solar Control Low-E Tinted Insulating Glass

“Azuria®” + “Solarban®” 67 (3) Clear by Vitro Architectural Glass

Outdoor Lite: “Azuria” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass, Sputter Coated on third surface (3)
Low-E Coating: “Solarban” 67 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Third Surface (3)

Performance Values

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<tr>
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<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>42%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.29</td>
<td>0.33</td>
<td>11%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Aqua-blue
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Solar Control Low-E Tinted Insulating Glass

“Pacifica®” + “Solarban®” 67 (3) Clear by Vitro Architectural Glass

Outdoor Lite: “Pacifica” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass, Sputter Coated on third surface (3)
Low-E Coating: “Solarban” 67 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Third Surface (3)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>26%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.23</td>
<td>0.27</td>
<td>7%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Deep-blue
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Type: Solar Control Low-E Tinted Insulating Glass
“Solarblue®” + “Solarban®® 67 (3) Clear by Vitro Architectural Glass

Outdoor Lite: “Solarblue” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass. Sputter Coated on third surface (3)
Low-E Coating: “Solarban” 67 Solar Control (Sputtered) by Vitro Architectural
Glass Location: Third Surface (3)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>34%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.30</td>
<td>0.34</td>
<td>9%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Light sky-blue
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Solar Control Low-E Tinted Insulating Glass
“Solarbronze®” + “Solarban®® 67 (3) Clear by Vitro Architectural Glass

Outdoor Lite: “Solarbronze” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass. Sputter Coated on third surface (3)
Low-E Coating: “Solarban” 67 Solar Control (Sputtered) by Vitro Architectural
Glass Location: Third Surface (3)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>32%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.29</td>
<td>0.33</td>
<td>9%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Warm-bronze
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Type: Solar Control Low-E Tinted Insulating Glass

“Solargray®” + “Solarban®” 67 (3) Clear by Vitro Architectural Glass

Outdoor Lite: “Solargray” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass, Sputter Coated on third surface (3)
Low-E Coating: “Solarban” 67 Solar Control (Sputtered) by Vitro Architectural Glass

Location: Third Surface (3)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>27%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.26</td>
<td>0.30</td>
<td>8%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Cool light-gray
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Solar Control Low-E Tinted Insulating Glass

“Graylite®” II + “Solarban®” 67 (3) Clear by Vitro Architectural Glass

Outdoor Lite: “Graylite” II Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass, Sputter Coated on third surface (3)
Low-E Coating: “Solarban” 67 Solar Control (Sputtered) by Vitro Architectural Glass

Location: Third Surface (3)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>5%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.12</td>
<td>0.14</td>
<td>4%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Dark-gray
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Type: Solar Control Tinted Insulating Glass
“Optigray®” + “Solarban®” 67 (3) Clear by Vitro Architectural Glass

Outdoor Lite: “Optigray” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass, Sputter Coated on third surface (3)
Low-E Coating: “Solarban” 67 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Third Surface (3)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>38%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.32</td>
<td>0.36</td>
<td>10%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Ultra-neutral, light-gray
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Solar Control Low-E Tinted Insulating Glass
“Optiblue®” + “Solarban®” 67 (3) Clear by Vitro Architectural Glass

Outdoor Lite: “Optiblue” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass, Sputter Coated on third surface (3)
Low-E Coating: “Solarban” 67 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Third Surface (3)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>39%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.34</td>
<td>0.39</td>
<td>10%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Steel blue-gray
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Type: Low-E Clear Reflective Insulating Glass
“Solarban®” R100 (2) Clear + Clear by Vitro Architectural Glass

Outdoor Lite: Clear (transparent) Float Glass by Vitro Architectural Glass, Sputter Coated on second surface (2)
Indoor Lite: Clear (transparent) Float Glass
Low-E Coating: “Solarban” R100 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Second Surface (2)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>42%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.23</td>
<td>0.27</td>
<td>32%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Clear
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Ultra-Clear Low-E Reflective Insulating Glass
“Solarban®” R100 (2) “Starphire®” + “Starphire” by Vitro Architectural Glass

Outdoor Lite: “Starphire” (ultra-clear) Float Glass by Vitro Architectural Glass, Sputter Coated on second surface (2)
Indoor Lite: “Starphire” (ultra-clear) Float Glass
Low-E Coating: “Solarban” R100 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Second Surface (2)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>44%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.23</td>
<td>0.27</td>
<td>33%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Ultra-clear
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Type: Low-E Tinted Reflective Insulating Glass
“Solarban®” R100 (2) “Solexia®” + Clear by Vitro Architectural Glass

Outdoor Lite: “Solexia” Glass by Vitro Architectural Glass, Sputter Coated on second surface (2)
Indoor Lite: Clear (transparent) Float Glass
Low-E Coating: “Solarban” R100 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Second Surface (2)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>36%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.21</td>
<td>0.24</td>
<td>25%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Reflective light-green
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

-----------

Type: Low-E Tinted Reflective Insulating Glass
“Solarban®” R100 (2) “Atlantica®” + Clear by Vitro Architectural Glass

Outdoor Lite: “Atlantica” Glass by Vitro Architectural Glass, Sputter Coated on second surface (2)
Indoor Lite: Clear (transparent) Float Glass
Low-E Coating: “Solarban” R100 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Second Surface (2)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>32%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.19</td>
<td>0.22</td>
<td>20%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Reflective emerald-green
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Type: Low-E Tinted Reflective Insulating Glass
“Solarban®” R100 (2) “Azuria®” + Clear by Vitro Architectural Glass

Outdoor Lite: “Azuria” Glass by Vitro Architectural Glass, Sputter Coated on second surface (2)
Indoor Lite: Clear (transparent) Float Glass
Low-E Coating: “Solarban” R100 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Second Surface (2)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>32%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.19</td>
<td>0.22</td>
<td>21%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Reflective aqua-blue
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Low-E Reflective Insulating Glass
“Solarban®” R100 (2) “Optiblue®” + Clear by Vitro Architectural Glass

Outdoor Lite: “Optiblue” Glass by Vitro Architectural Glass, Sputter Coated on second surface (2)
Indoor Lite: Clear (transparent) Float Glass
Low-E Coating: “Solarban” R100 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Second Surface (2)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>30%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.20</td>
<td>0.23</td>
<td>19%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Reflective steel blue-gray
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Type: Low-E Tinted Reflective Insulating Glass

“Solarban®” R100 (2) “Pacifica®” + Clear by Vitro Architectural Glass

Outdoor Lite: “Pacifica” Glass by Vitro Architectural Glass, Sputter Coated on second surface (2)
Indoor Lite: Clear (transparent) Float Glass
Low-E Coating: “Solarban” R100 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Second Surface (2)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>20%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.16</td>
<td>0.19</td>
<td>11%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Reflective deep-blue
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Low-E Tinted Reflective Insulating Glass

“Solarban®” R100 (2) “Solarblue®” + Clear by Vitro Architectural Glass

Outdoor Lite: “Solarblue” Glass by Vitro Architectural Glass, Sputter Coated on second surface (2)
Indoor Lite: Clear (transparent) Float Glass
Low-E Coating: “Solarban” R100 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Second Surface (2)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>26%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.19</td>
<td>0.22</td>
<td>15%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Reflective light sky-blue
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Type: Low-E Tinted Reflective Insulating Glass
“Solarban®” R100 (2) “Solarbronze®” + Clear by Vitro Architectural Glass

Outdoor Lite: “Solarbronze” Glass by Vitro Architectural Glass, Sputter Coated on second surface (2)
Indoor Lite: Clear (transparent) Float Glass
Low-E Coating: “Solarban” R100 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Second Surface (2)

<table>
<thead>
<tr>
<th>Performance Values</th>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>25%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.18</td>
<td>0.21</td>
<td>15%</td>
<td></td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Reflective warm-bronze
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Low-E Tinted Reflective Insulating Glass
“Solarban®” R100 (2) “Solargray®” + Clear by Vitro Architectural Glass

Outdoor Lite: “Solargray” Glass by Vitro Architectural Glass, Sputter Coated on second surface (2)
Indoor Lite: Clear (transparent) Float Glass
Low-E Coating: “Solarban” R100 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Second Surface (2)

<table>
<thead>
<tr>
<th>Performance Values</th>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>21%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.17</td>
<td>0.19</td>
<td>12%</td>
<td></td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Reflective cool light-gray
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Type: Solar Control Tinted Insulating Glass
“Solarban®” R100 (2) “Optigray®” + Clear by Vitro Architectural Glass

Outdoor Lite: “Optigray” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass
Low-E Coating: “Solarban” R100 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Second Surface (2)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>29%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.20</td>
<td>0.22</td>
<td>18%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Reflective ultra-neutral, light-gray
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Solar Control Low-E Clear Insulating Glass
“Solarban®” 90 (2) Clear + Clear by Vitro Architectural Glass

Outdoor Lite: Clear Glass, Sputter Coated on second surface (2)
Indoor Lite: Clear (transparent) Float Glass
Low-E Coating: “Solarban” 90 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Second Surface (2)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>51%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.23</td>
<td>0.27</td>
<td>12%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle Certified™, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Clear
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
**Type: Solar Control Ultra-Clear Low-E Insulating Glass**

“Solarban®” 90 (2) “Starphire®” + “Starphire” by Vitro Architectural Glass

Outdoor Lite: “Starphire” Glass by Vitro Architectural Glass, Sputter Coated on second surface (2)

Indoor Lite: “Starphire” Glass

Low-E Coating: “Solarban” 90 Solar Control (Sputtered) by Vitro Architectural Glass

Location: Second Surface (2)

**Performance Values**

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
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</thead>
<tbody>
<tr>
<td>54%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.23</td>
<td>0.26</td>
<td>13%</td>
</tr>
</tbody>
</table>

**Approved Manufacturers:** Vitro Certified™ Fabricator Required

**Certification:** Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).

**Outdoor Appearance:** Clear

**Insulating Unit Construction:** 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

---

**Type: Low-E Tinted Reflective Insulating Glass**

“Solarban®” 90 (2) “Solexia®” + Clear by Vitro Architectural Glass

Outdoor Lite: “Solexia” Glass by Vitro Architectural Glass, Sputter Coated on second surface (2)

Indoor Lite: Clear (transparent) Float Glass

Low-E Coating: “Solarban” 90 Solar Control (Sputtered) by Vitro Architectural Glass

Location: Second Surface (2)

**Performance Values**

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
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<tr>
<td>44%</td>
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<td>0.26</td>
<td>10%</td>
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**Approved Manufacturers:** Vitro Certified™ Fabricator Required

**Certification:** Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).

**Outdoor Appearance:** Light-green

**Insulating Unit Construction:** 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Architectural Glass Product Specifications

Type: Solar Control Low-E Tinted Insulating Glass
“Solarban®” 90 (2) “Atlantica®” + Clear by Vitro Architectural Glass

Outdoor Lite: “Atlantica” Glass by Vitro Architectural Glass, Sputter Coated on second surface (2)
Indoor Lite: Clear (transparent) Float Glass
Low-E Coating: “Solarban” 90 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Second Surface (2)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
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<td>39%</td>
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<td>9%</td>
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Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Emerald-green
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Low-E Tinted Reflective Insulating Glass
“Solarban®” 90 (2) “Azuria®” + Clear by Vitro Architectural Glass

Outdoor Lite: “Azuria” Glass by Vitro Architectural Glass, Sputter Coated on second surface (2)
Indoor Lite: Clear (transparent) Float Glass
Low-E Coating: “Solarban” 90 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Second Surface (2)

Performance Values

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<tr>
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<tr>
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<td>0.24</td>
<td>9%</td>
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Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Aqua-blue
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Type: Solar Control Low-E Tinted Insulating Glass
“Solarban®” 90 (2) “Pacifica®” + Clear by Vitro Architectural Glass

Outdoor Lite: “Pacifica” Glass by Vitro Architectural Glass, Sputter Coated on second surface (2)
Indoor Lite: Clear (transparent) Float Glass
Low-E Coating: “Solarban” 90 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Second Surface (2)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
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<tbody>
<tr>
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Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Deep-blue
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Solar Control Low-E Tinted Insulating Glass
“Solarban®” 90 (2) “Solarblue®” + Clear by Vitro Architectural Glass

Outdoor Lite: “Solarblue” Glass by Vitro Architectural Glass, Sputter Coated on second surface (2)
Indoor Lite: Clear (transparent) Float Glass
Low-E Coating: “Solarban” 90 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Second Surface (2)

Performance Values

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<th>Visible Light Transmittance</th>
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<td>0.22</td>
<td>8%</td>
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Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Light sky-blue
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
**Type: Solar Control Low-E Tinted Insulating Glass**

“Solarban®” 90 (2) “Solarbronze®” + Clear by Vitro Architectural Glass

**Outdoor Lite: “Solarbronze”** Glass by Vitro Architectural Glass, Sputter Coated on second surface (2)

**Indoor Lite:** Clear (transparent) Float Glass

**Low-E Coating:** “Solarban” 90 Solar Control (Sputtered) by Vitro Architectural Glass

**Location:** Second Surface (2)

**Performance Values**

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<th>Visible Light Transmittance</th>
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**Approved Manufacturers:** Vitro Certified™ Fabricator Required

**Certification:** Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute ([www.c2ccertified.org](http://www.c2ccertified.org)).

**Outdoor Appearance:** Warm-bronze

**Insulating Unit Construction:** 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

---

**Type: Solar Control Tinted Insulating Glass**

“Solarban®” 90 (2) “Optigray®” + Clear by Vitro Architectural Glass

**Outdoor Lite:** “Optigray” Glass by Vitro Architectural Glass

**Indoor Lite:** Clear (transparent) Float Glass

**Low-E Coating:** “Solarban” 90 Solar Control (Sputtered) by Vitro Architectural Glass

**Location:** Second Surface (2)

**Performance Values**

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<tr>
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<tr>
<td>36%</td>
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<td>8%</td>
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**Approved Manufacturers:** Vitro Certified™ Fabricator Required

**Certification:** Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute ([www.c2ccertified.org](http://www.c2ccertified.org)).

**Outdoor Appearance:** Ultra-neutral, light-gray

**Insulating Unit Construction:** 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Type: Solar Control Low-E Tinted Insulating Glass
“Solarban®” 90 (2) “Solargray®” + Clear by Vitro Architectural Glass

Outdoor Lite: “Solargray” Glass by Vitro Architectural Glass, Sputter Coated on second surface (2)
Indoor Lite: Clear (transparent) Float Glass
Low-E Coating: “Solarban” 90 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Second Surface (2)

Performance Values

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<tbody>
<tr>
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<td>0.17</td>
<td>0.19</td>
<td>6%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Cool light-gray
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Solar Control Low-E Insulating Glass
“Solarban®” 90 (2) “Optiblue®” + Clear by Vitro Architectural Glass

Outdoor Lite: “Solarban 90 (2) Optiblue” Glass by Vitro Architectural Glass, Sputter Coated on second surface (2)
Indoor Lite: Clear (transparent) Float Glass
Low-E Coating: “Solarban” 90 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Second Surface (2)

Performance Values

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<td>0.22</td>
<td>8%</td>
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</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Steel blue-gray
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) gla
Type: Solar Control Low-E Tinted Insulating Glass
“Solexia®” + “Solarban®” 90 (3) Clear by Vitro Architectural Glass

Outdoor Lite: “Solexia” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass, Sputter Coated on third surface (3)
Low-E Coating: “Solarban” 90 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Third Surface (3)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
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<th>U-Value Summer</th>
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<th>Outdoor Visible Light Reflectance</th>
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<tr>
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Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Light-green
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Solar Control Low-E Tinted Insulating Glass
“Atlantica®” + “Solarban®” 90 (3) Clear by Vitro Architectural Glass

Outdoor Lite: “Atlantica” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass, Sputter Coated on third surface (3)
Low-E Coating: “Solarban” 90 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Third Surface (3)

Performance Values

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</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Emerald-green
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Type: Solar Control Low-E Tinted Insulating Glass
“Azuria®” + “Solarban®” 90 (3) Clear by Vitro Architectural Glass

Outdoor Lite: “Azuria” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass, Sputter Coated on third surface (3)
Low-E Coating: “Solarban” 90 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Third Surface (3)

Performance Values

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Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Aqua-blue
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Solar Control Low-E Tinted Insulating Glass
“Pacifica®” + “Solarban®” 90 (3) Clear by Vitro Architectural Glass

Outdoor Lite: “Pacifica” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass, Sputter Coated on third surface (3)
Low-E Coating: “Solarban” 90 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Third Surface (3)

Performance Values

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<td>0.24</td>
<td>8%</td>
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Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Deep-blue
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Architectural Glass Product Specifications

Type: Solar Control Low-E Tinted Insulating Glass
“Solarblue®” + “Solarban®” 90 (3) Clear by Vitro Architectural Glass

Outdoor Lite: “Solarblue” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass, Sputter Coated on third surface (3)
Low-E Coating: “Solarban” 90 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Third Surface (3)

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Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Deep-blue
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Solar Control Low-E Tinted Insulating Glass
“Solarbronze®” + “Solarban®” 90 (3) Clear by Vitro Architectural Glass

Outdoor Lite: “Solarbronze” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass, Sputter Coated on third surface (3)
Low-E Coating: “Solarban” 90 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Third Surface (3)

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Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Warm-bronze
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Type: Solar Control Tinted Insulating Glass
“Optigray®” + “Solarban®” 90 (3) Clear by Vitro Architectural Glass

Outdoor Lite: “Optigray” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass, Sputter Coated on third surface (3)
Low-E Coating: “Solarban” 90 Solar Control (Sputtered) by Vitro Architectural Glass Location: Third Surface (3)

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<th>Performance Values</th>
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<td></td>
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<td>12%</td>
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Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Ultra-neutral, light-gray
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Solar Control Low-E Tinted Insulating Glass
“Solargray®” + “Solarban®” 90 (3) Clear by Vitro Architectural Glass

Outdoor Lite: “Solargray” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass, Sputter Coated on third surface (3)
Low-E Coating: “Solarban” 90 Solar Control (Sputtered) by Vitro Architectural Glass Location: Third Surface (3)

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<td>0.27</td>
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<td>0.25</td>
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<td></td>
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<td></td>
<td></td>
<td></td>
<td>8%</td>
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Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Cool light-gray
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Type: Solar Control Low-E Tinted Insulating Glass
“Graylite® II + “Solarban®” 90 (3) Clear by Vitro Architectural Glass

Outdoor Lite: “Graylite” II Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass, Sputter Coated on third surface (3)
Low-E Coating: “Solarban®” 90 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Third Surface (3)

Performance Values

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Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Dark-gray
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Solar Control Low-E Tinted Insulating Glass
“OptiBlue®” + “Solarban®” 90 (3) Clear by Vitro Architectural Glass

Outdoor Lite: “OptiBlue” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass, Sputter Coated on third surface (3)
Low-E Coating: “Solarban®” 90 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Third Surface (3)

Performance Values

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<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>37%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.27</td>
<td>0.32</td>
<td>12%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Steel blue-gray
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
REFLECTIVE GLASS

**Type: Reflective Tinted Insulating Glass**

“Solarcool®” (2) “Solexia®” + Clear

**Outdoor Lite:** “Solexia” Glass by Vitro Architectural Glass  
**Indoor Lite:** Clear (transparent) Float Glass  
**Reflective Coating:** “Solarcool” by Vitro Architectural Glass  
**Location:** Second Surface (2)

<table>
<thead>
<tr>
<th>Performance Values</th>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>27%</td>
<td></td>
<td>0.47</td>
<td>0.50</td>
<td>0.31</td>
<td>0.36</td>
<td>24%</td>
</tr>
</tbody>
</table>

**Approved Manufacturers:** Vitro Glass-specific approval not required

**Certification:** Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).

**Outdoor Appearance:** Reflective light-green  
**Insulating Unit Construction:** 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

---

**Type: Reflective Tinted Insulating Glass**

“Solarcool®” (2) “Azuria®” + Clear

**Outdoor Lite:** “Azuria” Glass by Vitro Architectural Glass  
**Indoor Lite:** Clear (transparent) Float Glass  
**Reflective Coating:** “Solarcool” by Vitro Architectural Glass  
**Location:** Second Surface (2)

<table>
<thead>
<tr>
<th>Performance Values</th>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>24%</td>
<td></td>
<td>0.47</td>
<td>0.50</td>
<td>0.25</td>
<td>0.29</td>
<td>20%</td>
</tr>
</tbody>
</table>

**Approved Manufacturers:** Vitro Glass-specific approval not required

**Certification:** Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).

**Outdoor Appearance:** Reflective aqua-blue  
**Insulating Unit Construction:** 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
**Type: Reflective Tinted Insulating Glass**

“Solarcool®” (2) “Pacifica®” + Clear by Vitro Architectural Glass

Outdoor Lite: “Pacifica” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass
Reflective Coating: “Solarcool” by Vitro Architectural Glass
Location: Second Surface (2)

<table>
<thead>
<tr>
<th>Performance Values</th>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>15%</td>
<td></td>
<td>0.47</td>
<td>0.50</td>
<td>0.25</td>
<td>0.29</td>
<td>10%</td>
</tr>
<tr>
<td>20%</td>
<td></td>
<td>0.47</td>
<td>0.50</td>
<td>0.32</td>
<td>0.37</td>
<td>15%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Glass-specific approval not required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Reflective deep-blue
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

**Type: Reflective Tinted Insulating Glass**

“Solarcool®” (2) “Solarblue®” + Clear

Outdoor Lite: “Solarblue” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass
Reflective Coating: “Solarcool” by Vitro Architectural Glass
Location: Second Surface (2)

<table>
<thead>
<tr>
<th>Performance Values</th>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>20%</td>
<td></td>
<td>0.47</td>
<td>0.50</td>
<td>0.32</td>
<td>0.37</td>
<td>15%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Glass-specific approval not required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Reflective light sky-blue
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Type: Reflective Tinted Insulating Glass
“Solarcool®” (2) “Solarbronze®” + Clear

Outdoor Lite: “Solarbronze” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass
Reflective Coating: “Solarcool” by Vitro Architectural Glass
Location: Second Surface (2)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>19%</td>
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<td>14%</td>
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</table>

Approved Manufacturers: Vitro Glass-specific approval not required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Reflective warm-bronze
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Reflective Tinted Insulating Glass
“Solarcool®” (2) “Solargray®” + Clear

Outdoor Lite: “Solargray” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass
Reflective Coating: “Solarcool” by Vitro Architectural Glass
Location: Second Surface (2)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
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<tbody>
<tr>
<td>16%</td>
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<td>0.50</td>
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<td>11%</td>
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</table>

Approved Manufacturers: Vitro Glass-specific approval not required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Reflective cool light-gray
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Type: Reflective Tinted Insulating Glass
“Solarcool®” (1) “Solexia®” + Clear

Outdoor Lite: “Solexia” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass
Reflective Coating: “Solarcool” by Vitro Architectural Glass
Location: First Surface (1)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
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</thead>
<tbody>
<tr>
<td>27%</td>
<td>0.47</td>
<td>0.50</td>
<td>0.28</td>
<td>0.32</td>
<td>37%</td>
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</tbody>
</table>

Approved Manufacturers: Vitro Glass-specific approval not required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Reflective light-green
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Reflective Tinted Insulating Glass
“Solarcool®” (1) “Pacifica®” + Clear by Vitro Architectural Glass

Outdoor Lite: “Pacifica” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass
Reflective Coating: “Solarcool” by Vitro Architectural Glass
Location: First Surface (1)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
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<tbody>
<tr>
<td>14%</td>
<td>0.47</td>
<td>0.50</td>
<td>0.21</td>
<td>0.24</td>
<td>36%</td>
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</tbody>
</table>

Approved Manufacturers: Vitro Glass-specific approval not required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Reflective deep-blue
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Type: Reflective Tinted Insulating Glass
“Solarcool®” (1) “Azuria®” + Clear

Outdoor Lite: “Azuria” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass
Reflective Coating: “Solarcool®” by Vitro Architectural Glass
Location: First Surface (1)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
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</thead>
<tbody>
<tr>
<td>23%</td>
<td>0.47</td>
<td>0.50</td>
<td>0.21</td>
<td>0.25</td>
<td>37%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Glass-specific approval not required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Reflective aqua-blue
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Reflective Tinted Insulating Glass
“Solarcool®” (1) “Solarbronze®” + Clear

Outdoor Lite: “Solarbronze” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass
Reflective Coating: “Solarcool®” by Vitro Architectural Glass
Location: First Surface (1)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
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Approved Manufacturers: Vitro Glass-specific approval not required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Reflective warm-bronze
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Type: Reflective Tinted Insulating Glass
“Solarcool®” (1) “Solarblue®” + Clear

Outdoor Lite: “Solarblue” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass
Reflective Coating: “Solarcool” by Vitro Architectural Glass
Location: First Surface (1)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>19%</td>
<td>0.47</td>
<td>0.50</td>
<td>0.29</td>
<td>0.33</td>
<td>37%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Glass-specific approval not required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Reflective light sky-blue
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Reflective Tinted Insulating Glass
“Solarcool®” (1) “Solargray®” + Clear

Outdoor Lite: “Solargray” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass
Reflective Coating: “Solarcool” by Vitro Architectural Glass
Location: First Surface (1)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>15%</td>
<td>0.47</td>
<td>0.50</td>
<td>0.28</td>
<td>0.32</td>
<td>36%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Glass-specific approval not required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Reflective cool light-gray
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Vitro Architectural Glass
REFLECTIVE LOW-E GLASS

Type: Reflective Tinted Solar Control Low-E Insulating Glass
“Solarcool®” (2) “Pacifica®” + “Solarban®” 60 (3) Clear by Vitro Architectural Glass

Outdoor Lite: “Pacifica” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass, Sputter Coated on third surface (3)
Low-E Coating: “Solarban” 60 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Third Surface (3)
Reflective Coating: “Solarcool” by Vitro Architectural Glass
Location: Second Surface (2)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
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<tr>
<td>13%</td>
<td>0.29</td>
<td>0.27</td>
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<td>0.17</td>
<td>10%</td>
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</tbody>
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Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Reflective deep-blue
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Reflective Tinted Solar Control Low-E Insulating Glass
“Solarcool®” (2) “Solexia®” + “Solarban®” 60 (3) Clear by Vitro Architectural Glass

Outdoor Lite: “Solexia” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass, Sputter Coated on third surface (3)
Low-E Coating: “Solarban” 60 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Third Surface (3)
Reflective Coating: “Solarcool” by Vitro Architectural Glass
Location: Second Surface (2)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>24%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.19</td>
<td>0.22</td>
<td>24%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Reflective light-green
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Architectural Glass Product Specifications

Type: Reflective Tinted Solar Control Low-E Insulating Glass
“Solarcool®” (2) “Azuria®” + “Solarban®” 60 (3) Clear by Vitro Architectural Glass

Outdoor Lite: “Azuria” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass, Sputter Coated on third surface (3)
Low-E Coating: “Solarban” 60 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Third Surface (3)
Reflective Coating: “Solarcool” by Vitro Architectural Glass
Location: Second Surface (2)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
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<tr>
<td>21%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.17</td>
<td>0.19</td>
<td>19%</td>
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</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Reflective aqua-blue
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Reflective Tinted Solar Control Low-E Insulating Glass
“Solarcool®” (2) “Solarblue®” + “Solarban®” 60 (3) Clear by Vitro Architectural Glass

Outdoor Lite: “Solarblue” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass, Sputter Coated on third surface (3)
Low-E Coating: “Solarban” 60 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Third Surface (3)
Reflective Coating: “Solarcool” by Vitro Architectural Glass
Location: Second Surface (2)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>17%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.18</td>
<td>0.21</td>
<td>14%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Reflective light sky-blue
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Type: Reflective Tinted Solar Control Low-E Insulating Glass
“Solarcool®” (2) “Solarbronze®” + “Solarban®” 60 (3) Clear by Vitro Architectural Glass

Outdoor Lite: “Solarbronze” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass, Sputter Coated on third surface (3)
Low-E Coating: “Solarban” 60 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Third Surface (3)
Reflective Coating: “Solarcool” by Vitro Architectural Glass
Location: Second Surface (2)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
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<tbody>
<tr>
<td>17%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.18</td>
<td>0.21</td>
<td>14%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Reflective warm-bronze
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Reflective Tinted Solar Control Low-E Insulating Glass
“Solarcool®” (2) “Solargray®” + “Solarban®” 60 (3) Clear by Vitro Architectural Glass

Outdoor Lite: “Solargray” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass, Sputter Coated on third surface (3)
Low-E Coating: “Solarban” 60 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Third Surface (3)
Reflective Coating: “Solarcool” by Vitro Architectural Glass
Location: Second Surface (2)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>14%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.17</td>
<td>0.20</td>
<td>11%</td>
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</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Reflective cool light-gray
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
**Type: Reflective Solar Control Low-E Insulating Glass**

“Solarcool®” (2) “Solexia®” + “Solarban®” 70XL (3) † by Vitro Architectural Glass

Outdoor Lite: “Solexia” Glass by Vitro Architectural Glass
Indoor Lite: “Starphire®” (ultra-clear) Float Glass by Vitro Architectural Glass, Sputter Coated on third surface (3) †
Low-E Coating: “Solarban” 70XL Solar Control (Sputtered) by Vitro Architectural Glass
Location: Third Surface (3)
Reflective Coating: “Solarcool” by Vitro Architectural Glass
Location: Second Surface (2)

† Solarban 70XL for annealed applications is applied to Starphire glass; heat-treated applications will require either clear or Starphire glass depending on manufacturing process.

<table>
<thead>
<tr>
<th>Performance Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Visible Light Transmittance</td>
</tr>
<tr>
<td>22%</td>
</tr>
</tbody>
</table>

**Approved Manufacturers:** Vitro Certified™ Fabricator Required

**Certification:** Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).

**Outdoor Appearance:** Reflective light-green

**Insulating Unit Construction:** 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

---

**Type: Reflective Solar Control Low-E Insulating Glass**

“Solarcool®” (2) “Azuria®” + “Solarban®” 70XL (3) † by Vitro Architectural Glass

Outdoor Lite: “Azuria” Glass by Vitro Architectural Glass
Indoor Lite: “Starphire®” (ultra-clear) Float Glass by Vitro Architectural Glass, Sputter Coated on third surface (3) †
Low-E Coating: “Solarban” 70XL Solar Control (Sputtered) by Vitro Architectural Glass
Location: Third Surface (3)
Reflective Coating: “Solarcool” by Vitro Architectural Glass
Location: Second Surface (2)

† Solarban 70XL for annealed applications is applied to Starphire glass; heat-treated applications will require either clear or Starphire glass depending on manufacturing process.

<table>
<thead>
<tr>
<th>Performance Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Visible Light Transmittance</td>
</tr>
<tr>
<td>19%</td>
</tr>
</tbody>
</table>

**Approved Manufacturers:** Vitro Certified™ Fabricator Required

**Certification:** Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).

**Outdoor Appearance:** Reflective aqua-blue

**Insulating Unit Construction:** 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Type: Reflective Solar Control Low-E Insulating Glass
“Solarcool®” (2) “Pacifica®” + “Solarban®” 70XL (3) † by Vitro Architectural Glass

Outdoor Lite: “Pacifica®” Glass by Vitro Architectural Glass
Indoor Lite: “Starphire®” (ultra-clear) Float Glass by Vitro Architectural Glass, Sputter Coated on third surface (3) †
Low-E Coating: “Solarban®” 70XL Solar Control (Sputtered) by Vitro Architectural Glass
Location: Third Surface (3)
Reflective Coating: “Solarcool®” by Vitro Architectural Glass
Location: Second Surface (2)
† Solarban 70XL for annealed applications is applied to Starphire glass; heat-treated applications will require either clear or Starphire glass depending on manufacturing process.

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>12%</td>
<td>0.28</td>
<td>0.26</td>
<td>0.13</td>
<td>0.15</td>
<td>10%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Reflective deep-blue
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Reflective Solar Control Low-E Insulating Glass
“Solarcool®” (2) “Solarblue®” + “Solarban®” 70XL (3) † by Vitro Architectural Glass

Outdoor Lite: “Solarblue®” Glass by Vitro Architectural Glass
Indoor Lite: “Starphire®” (ultra-clear) Glass by Vitro Architectural Glass, Sputter Coated on third surface (3) †
Low-E Coating: “Solarban®” 70XL Solar Control (Sputtered) by Vitro Architectural Glass
Location: Third Surface (3)
Reflective Coating: “Solarcool®” by Vitro Architectural Glass
Location: Second Surface (2)
† Solarban 70XL for annealed applications is applied to Starphire glass; heat-treated applications will require either clear or Starphire glass depending on manufacturing process.

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>16%</td>
<td>0.28</td>
<td>0.26</td>
<td>0.15</td>
<td>0.18</td>
<td>14%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Reflective light sky-blue
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Type: Reflective Solar Control Low-E Insulating Glass
“Solarcool®” (2) “Solarbronze®” + “Solarban®” 70XL (3) † by Vitro Architectural Glass

Outdoor Lite: “Solarbronze” Glass by Vitro Architectural Glass
Indoor Lite: “Starphire®” (ultra-clear) Float Glass by Vitro Architectural Glass, Sputter Coated on third surface (3) †
Low-E Coating: “Solarban” 70XL Solar Control (Sputtered) by Vitro Architectural Glass
Location: Third Surface (3)
Reflective Coating: “Solarcool” by Vitro Architectural Glass
Location: Second Surface (2)
† Solarban 70XL for annealed applications is applied to Starphire glass; heat-treated applications will require either clear or Starphire glass depending on manufacturing process.

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>15%</td>
<td>0.28</td>
<td>0.26</td>
<td>0.15</td>
<td>0.17</td>
<td>14%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Reflective warm-bronze
Insulating Unit Construction: 1/4” (6mm) glass + 1/2" (13mm) air space + 1/4" (6mm) glass

Type: Reflective Solar Control Low-E Insulating Glass
“Solarcool®” (2) “Solargray®” + “Solarban®” 70XL (3) † by Vitro Architectural Glass

Outdoor Lite: “Solargray” Glass by Vitro Architectural Glass
Indoor Lite: “Starphire®” (ultra-clear) glass by Vitro Architectural Glass, Sputter Coated on third surface (3)
† Low-E Coating: “Solarban” 70XL Solar Control (Sputtered) by Vitro Architectural Glass
Location: Third Surface (3)
Reflective Coating: “Solarcool” by Vitro Architectural Glass
Location: Second Surface (2)
† Solarban 70XL for annealed applications is applied to Starphire glass; heat-treated applications will require either clear or Starphire glass depending on manufacturing process.

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>13%</td>
<td>0.28</td>
<td>0.26</td>
<td>0.14</td>
<td>0.16</td>
<td>11%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Reflective cool light-gray
Insulating Unit Construction: 1/4” (6mm) glass + 1/2" (13mm) air space + 1/4” (6mm) glass
Type: Reflective Tinted Solar Control Low-E Insulating Glass
“Solarcool®” (2) “Solexia®” + “Solarban®” 90 (3) Clear by Vitro Architectural Glass

Outdoor Lite: “Solexia” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass, Sputter Coated on third surface (3)
Low-E Coating: “Solarban” 90 Solar Control (Sputtered) by Vitro Architectural
Glass Location: Third Surface (3)
Reflective Coating: “Solarcool” by Vitro Architectural Glass
Location: Second Surface (2)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>18%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.14</td>
<td>0.16</td>
<td>24%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Reflective light-green
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Reflective Tinted Solar Control Low-E Insulating Glass
“Solarcool®” (1) “Solexia®” + “Solarban®” 90 (3) Clear by Vitro Architectural Glass

Outdoor Lite: “Solexia” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass, Sputter Coated on third surface (3)
Low-E Coating: “Solarban” 90 Solar Control (Sputtered) by Vitro Architectural
Glass Location: Third Surface (3)
Reflective Coating: “Solarcool” by Vitro Architectural Glass
Location: First Surface (1)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>17%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.14</td>
<td>0.16</td>
<td>38%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Reflective light-green
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Type: Reflective Tinted Solar Control Low-E Insulating Glass
“Solarcool®” (2) “Azuria®” + “Solarban®” 90 (3) Clear by Vitro Architectural Glass

Outdoor Lite: “Azuria” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass, Sputter Coated on third surface (3)
Low-E Coating: “Solarban” 90 Solar Control (Sputtered) by Vitro Architectural Glass
Reflective Coating: “Solarcool” by Vitro Architectural Glass

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
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<th>U-Value Summer</th>
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<th>Shading Coefficient</th>
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</tr>
</thead>
<tbody>
<tr>
<td>16%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.15</td>
<td>0.17</td>
<td>20%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Reflective aqua blue
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Reflective Tinted Solar Control Low-E Insulating Glass
“Solarcool®” (1) “Azuria®” + “Solarban®” 90 (3) Clear by Vitro Architectural Glass

Outdoor Lite: “Azuria” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass, Sputter Coated on third surface (3)
Low-E Coating: “Solarban” 90 Solar Control (Sputtered) by Vitro Architectural Glass
Reflective Coating: “Solarcool” by Vitro Architectural Glass
Location: Second Surface (2)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>15%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.13</td>
<td>0.15</td>
<td>37%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Reflective aqua blue
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Type: Reflective Tinted Solar Control Low-E Insulating Glass
“Solarcool®” (2) “Pacifica®” + “Solarban®” 90 (3) Clear by Vitro Architectural Glass

Outdoor Lite: “Pacifica” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass, Sputter Coated on third surface (3)
Low-E Coating: “Solarban” 90 Solar Control (Sputtered) by Vitro Architectural Glass
Glass Location: Third Surface (3)
Reflective Coating: “Solarcool” by Vitro Architectural Glass
Location: Second Surface (2)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>10%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.13</td>
<td>0.15</td>
<td>10%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Reflective deep-blue
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Reflective Tinted Solar Control Low-E Insulating Glass
“Solarcool®” (1) “Pacifica®” + “Solarban®” 90 (3) Clear by Vitro Architectural Glass

Outdoor Lite: “Pacifica” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass, Sputter Coated on third surface (3)
Low-E Coating: “Solarban” 90 Solar Control (Sputtered) by Vitro Architectural Glass
Glass Location: Third Surface (3)
Reflective Coating: “Solarcool” by Vitro Architectural Glass
Location: First Surface (1)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
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<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>9%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.11</td>
<td>0.12</td>
<td>37%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Reflective deep-blue
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Type: Reflective Tinted Solar Control Low-E Insulating Glass
“Solarcool®” (2) “Solarblue®” + “Solarban®” 90 (3) Clear by Vitro Architectural Glass

Outdoor Lite: “Solarblue” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass, Sputter Coated on third surface (3)
Low-E Coating: “Solarban” 90 Solar Control (Sputtered) by Vitro Architectural Glass
Glass Location: Third Surface (3)
Reflective Coating: “Solarcool” by Vitro Architectural Glass
Location: Second Surface (2)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
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</thead>
<tbody>
<tr>
<td>13%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.15</td>
<td>0.17</td>
<td>15%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Reflective light sky-blue
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type:: Reflective Tinted Solar Control Low-E Insulating Glass
“Solarcool®” (1) “Solarblue®” + “Solarban®” 90 (3) Clear by Vitro Architectural Glass

Outdoor Lite: “Solarblue” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass, Sputter Coated on third surface (3)
Low-E Coating: “Solarban” 90 Solar Control (Sputtered) by Vitro Architectural Glass
Glass Location: Third Surface (3)
Reflective Coating: “Solarcool” by Vitro Architectural Glass
Location: First Surface (1)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
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<th>Shading Coefficient</th>
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</tr>
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<tbody>
<tr>
<td>12%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.12</td>
<td>0.14</td>
<td>37%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Reflective light sky-blue
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Type: Reflective Tinted Solar Control Low-E Insulating Glass
“Solarcool®” (2) “Solarbronze®” + “Solarban®” 90 (3) Clear by Vitro Architectural Glass

Outdoor Lite: “Solarbronze” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass, Sputter Coated on third surface (3)
Low-E Coating: “Solarban” 90 Solar Control (Sputtered) by Vitro Architectural Glass
Glass Location: Third Surface (3)
Reflective Coating: “Solarcool” by Vitro Architectural Glass
Location: Second Surface (2)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>12%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.14</td>
<td>0.16</td>
<td>14%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Reflective warm-bronze
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Reflective Tinted Solar Control Low-E Insulating Glass
“Solarcool®” (1) “Solarbronze®” + “Solarban®” 90 (3) Clear by Vitro Architectural Glass

Outdoor Lite: “Solarbronze” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass, Sputter Coated on third surface (3)
Low-E Coating: “Solarban” 90 Solar Control (Sputtered) by Vitro Architectural Glass
Glass Location: Third Surface (3)
Reflective Coating: “Solarcool” by Vitro Architectural Glass
Location: First Surface (1)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
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<th>U-Value Summer</th>
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<th>Shading Coefficient</th>
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<td>0.29</td>
<td>0.27</td>
<td>0.12</td>
<td>0.14</td>
<td>37%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Reflective warm-bronze
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Type: Reflective Tinted Solar Control Low-E Insulating Glass
“Solarcool®” (2) “Solargray®” + “Solarban®” 90 (3) Clear by Vitro Architectural Glass

Outdoor Lite: “Solargray” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass, Sputter Coated on third surface (3)
Low-E Coating: “Solarban” 90 Solar Control (Sputtered) by Vitro Architectural Glass
Glass Location: Third Surface (3)
Reflective Coating: “Solarcool” by Vitro Architectural Glass
Location: Second Surface (2)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>10%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.14</td>
<td>0.16</td>
<td>11%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Reflective cool light-gray
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Reflective Tinted Solar Control Low-E Insulating Glass
“Solarcool®” (1) “Solargray®” + “Solarban®” 90 (3) Clear by Vitro Architectural Glass

Outdoor Lite: “Solargray” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass, Sputter Coated on third surface (3)
Low-E Coating: “Solarban” 90 Solar Control (Sputtered) by Vitro Architectural Glass
Glass Location: Third Surface (3)
Reflective Coating: “Solarcool” by Vitro Architectural Glass
Location: First Surface (1)

Performance Values

<table>
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<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
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<tbody>
<tr>
<td>10%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.11</td>
<td>0.13</td>
<td>37%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Reflective cool light-gray
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
SUBLTY REFLECTIVE SOLAR CONTROL LOW-E INSULATING GLASS

**Type:** Subtly Reflective Tinted Insulating Glass
“Vistacool®” (2) “Azuria®” + Clear by Vitro Architectural Glass

**Outdoor Lite:** “Azuria” Glass by Vitro Architectural Glass
**Indoor Lite:** Clear (transparent) Float Glass
**Reflective Coating:** “Vistacool” by Vitro Architectural Glass
**Location:** Second Surface (2)

<table>
<thead>
<tr>
<th>Performance Values</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Visible Light Transmittance</td>
<td>0.47</td>
<td>0.50</td>
<td>0.34</td>
<td>0.39</td>
<td>21%</td>
</tr>
</tbody>
</table>

**Approved Manufacturers:** Vitro Glass-specific approval not required
**Certification:** Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).

**Outdoor Appearance:** Subtly reflective aqua-blue
**Insulating Unit Construction:** 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

**Type:** Subtly Reflective Tinted Insulating Glass
“Vistacool®” (2) “Pacifica®” + Clear by Vitro Architectural Glass

**Outdoor Lite:** “Pacifica” Glass by Vitro Architectural Glass
**Indoor Lite:** Clear (transparent) Float Glass
**Reflective Coating:** “Vistacool” by Vitro Architectural Glass
**Location:** Second Surface (2)

<table>
<thead>
<tr>
<th>Performance Values</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Visible Light Transmittance</td>
<td>0.47</td>
<td>0.50</td>
<td>0.32</td>
<td>0.37</td>
<td>11%</td>
</tr>
</tbody>
</table>

**Approved Manufacturers:** Vitro Glass-specific approval not required
**Certification:** Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).

**Outdoor Appearance:** Subtly reflective deep-blue
**Insulating Unit Construction:** 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Type: Subtly Reflective Tinted Solar Control Low-E Insulating Glass
“Vistacool®” (2) “Azuria®” + “Solarban®” 60 (3) Clear by Vitro Architectural Glass

Outdoor Lite: “Azuria” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass, Sputter Coated on third surface (3)
Low-E Coating: “Solarban” 60 Solar Control (Sputtered) by Vitro Architectural Glass
Location: Third Surface (3)
Reflective Coating: “Vistacool” by Vitro Architectural Glass
Location: Second Surface (2)

<table>
<thead>
<tr>
<th>Performance Values</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Visible Light Transmittance</td>
<td>0.29</td>
<td>0.27</td>
<td>0.26</td>
<td>0.30</td>
<td>20%</td>
</tr>
<tr>
<td>Outdoor Appearance: Subtly reflective aqua-blue</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).

Type: Subtly Reflective Tinted Solar Control Low-E Insulating Glass
“Vistacool®” (2) “Pacifica®” + “Solarban®” 60 (3) Clear by Vitro Architectural Glass

Outdoor Lite: “Pacifica” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass, Sputter Coated on third surface (3)
Low-E Coating: “Solarban” 60 Solar Control (Sputtered), by Vitro Architectural Glass
Location: Third Surface (3)
Reflective Coating: “Vistacool” by Vitro Architectural Glass
Location: Second Surface (2)

<table>
<thead>
<tr>
<th>Performance Values</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Visible Light Transmittance</td>
<td>0.29</td>
<td>0.27</td>
<td>0.21</td>
<td>0.25</td>
<td>11%</td>
</tr>
<tr>
<td>Outdoor Appearance: Subtly reflective deep-blue</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Type: Subtly Reflective Solar Control Low-E Insulating Glass
“Vistacool®” (2) “Azuria®” + “Solarban®” 70XL (3) † by Vitro Architectural Glass

Outdoor Lite: “Azuria” Glass by Vitro Architectural Glass
Indoor Lite: “Starphire®” (ultra-clear) Float Glass by Vitro Architectural Glass, Sputter Coated on third surface (3) †
Low-E Coating: “Solarban” 70XL Solar Control (Sputtered) by Vitro Architectural Glass
Location: Third Surface (3)
Reflective Coating: “Vistacool” by Vitro Architectural Glass
Location: Second Surface (2)
† Solarban 70XL for annealed applications is applied to Starphire glass; heat-treated applications will require either clear or Starphire glass depending on manufacturing process.

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>38%</td>
<td>0.28</td>
<td>0.26</td>
<td>0.24</td>
<td>0.27</td>
<td>21%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Subtly reflective aqua-blue
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Subtly Reflective Solar Control Low-E Insulating Glass
“Vistacool®” (2) “Pacifica®” + “Solarban®” 70XL (3) † by Vitro Architectural Glass

Outdoor Lite: “Pacifica” Glass by Vitro Architectural Glass
Indoor Lite: “Starphire®” (ultra-clear) Float Glass by Vitro Architectural Glass, Sputter Coated on third surface (3) †
Low-E Coating: “Solarban” 70XL Solar Control (Sputtered) by Vitro Architectural Glass
Location: Third Surface (3)
Reflective Coating: “Vistacool” by Vitro Architectural Glass
Location: Second Surface (2)
† Solarban 70XL for annealed applications is applied to Starphire glass; heat-treated applications will require either clear or Starphire glass depending on manufacturing process.

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>24%</td>
<td>0.28</td>
<td>0.26</td>
<td>0.19</td>
<td>0.22</td>
<td>11%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: VITRO ARCHITECTURAL GLASS Recommended Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Subtly reflective deep-blue
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass
Type: Reflective Tinted Solar Control Low-E Insulating Glass

“Vistacool®” (2) “Azuria®” + “Solarban®” 90 (3) Clear by Vitro Architectural Glass

Outdoor Lite: “Azuria” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass, Sputter Coated on third surface (3)
Low-E Coating: “Solarban” 90 Solar Control (Sputtered) by Vitro Architectural
Glass Location: Third Surface (3)
Reflective Coating: “Vistacool” by Vitro Architectural Glass
Location: Second Surface (2)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
<th>U-Value Winter</th>
<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>31%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.23</td>
<td>0.26</td>
<td>23%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Subtly reflective aqua-blue
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass

Type: Subtly Reflective Tinted Solar Control Low-E Insulating Glass

“Vistacool®” (2) “Pacifica®” + “Solarban®” 90 (3) Clear by Vitro Architectural Glass

Outdoor Lite: “Pacifica” Glass by Vitro Architectural Glass
Indoor Lite: Clear (transparent) Float Glass, Sputter Coated on third surface (3)
Low-E Coating: “Solarban” 90 Solar Control (Sputtered), by Vitro Architectural
Glass Location: Third Surface (3)
Reflective Coating: “Vistacool” by Vitro Architectural Glass
Location: Second Surface (2)

Performance Values

<table>
<thead>
<tr>
<th>Visible Light Transmittance</th>
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<th>U-Value Summer</th>
<th>SHGC</th>
<th>Shading Coefficient</th>
<th>Outdoor Visible Light Reflectance</th>
</tr>
</thead>
<tbody>
<tr>
<td>19%</td>
<td>0.29</td>
<td>0.27</td>
<td>0.18</td>
<td>0.21</td>
<td>12%</td>
</tr>
</tbody>
</table>

Approved Manufacturers: Vitro Certified™ Fabricator Required
Certification: Both lites to be Cradle to Cradle certified, minimum Bronze Level, by Cradle to Cradle Products Innovation Institute (www.c2ccertified.org).
Outdoor Appearance: Subtly reflective deep-blue
Insulating Unit Construction: 1/4” (6mm) glass + 1/2” (13mm) air space + 1/4” (6mm) glass