Nature-Inspired Series

Solarcool® Reflective Glasses
From golden bronze to slate gray, the PPG family of Solarcool reflective coated glasses has inspired architects and designers for more than 35 years with an expressive palette of nature-inspired colors. Now PPG adds sky-blue-tinted Solarblue® glass to the collection.

Colors of the Earth and Sky
Solarcool reflective glasses offerings have been popular because of their rich, nature-inspired tones and solar-cooling performance. An extensive variety of appearances and performance attributes can be achieved by applying Solarcool reflective coatings to the interior or exterior surface of a bronze, gray, Graylite® II or Solarblue glass substrate.

Solarcool® Solarbronze® Glass
Solarcool Solarbronze glass can be glazed with the reflective coating on the first (#1) or second (#2) surface. The glass has improved performance, higher exterior visible reflectivity and a slight bronze hue when installed with the coating on the first surface. When the coating is applied on the second surface, Solarcool Solarbronze glass has lower exterior reflectivity and a deeper bronze color.

Solarcool® Solargray® Glass
Two options abound with Solarcool Solargray glass. A striking silver aesthetic results when the reflective coating is applied to the outboard (#1) lite. A subtle dark-gray tint appears when the reflective coating is applied to the inboard (#2) surface.

Solarcool® Graylite® Glass
Many structures are designed to be clad in the stark elegance of a dark, almost black, exterior glazing. Solarcool Graylite glass achieves this effect with the reflective coating applied to the inboard (#2) surface. When the reflective coating is glazed to the outboard (#1) lite, Solarcool Graylite yields a rich, silvery aesthetic.

Solarcool® Solarblue® Glass
The light-sky blue tint of Solarblue glass takes on a richly saturated cast when the Solarcool coating is applied to the inboard (#2) surface. The glass achieves a sleek, silvery-blue tone when it is glazed on the outboard (#1) lite.
Solarcool® Reflective Glasses

Fabrication and Availability
Solarcool® reflective glasses provide maximum processing flexibility and can be easily laminated, tempered or heat-strengthened to satisfy increased strength or safety glazing requirements. Solarcool® glass is available from nearly 100 glass fabrication locations throughout the United States and Canada, and international representatives in 25 countries.

Additional Resources
Ecological Solutions from PPG® encompass a number of environmentally sustainable architectural glass products. For more information or to obtain samples of any PPG glass product, call 1-888-PPG-IDEA (774-4332), or visit www.ppgideascapes.com.

All PPG architectural glass is Cradle to Cradle Certified®

PPG IdeaScapes® Integrated products, people and services to inspire your design and color vision.

One-Inch Insulating Glass Unit Comparisons Using 1/4” (6mm) Solarcool® Glass, Nature-Inspired Series

<table>
<thead>
<tr>
<th>Glass Type</th>
<th>Coated</th>
<th>SOLARCOOL® Glass (Reflective)</th>
<th>SOLARCOOL® Glass (Reflective) with SUNGATE® 500 Low-E (3)</th>
<th>SOLARCOOL® Glass (Reflective) with SOLARBAN® 60 Solar Control Low-E (3)</th>
<th>SOLARCOOL® Glass (Reflective) with SOLARBAN® 70XL Solar Control Low-E (3)*</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>SOLARBLU® + Clear</td>
<td>SOLARBRONZE® + Clear</td>
<td>SOLARBAN® + Clear</td>
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<tr>
<td></td>
<td></td>
<td>7 19 19 37 30 0.47 0.50 2.8 0.33 0.29 0.66</td>
<td>SOLARBRONZE® + Clear</td>
<td>SOLARBAN® + Clear</td>
<td>SOLARBAN® + Clear</td>
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<tr>
<td>Transmittance</td>
<td>Visible</td>
<td>Total Solar Energy</td>
<td>Reflectance</td>
<td>U-Value (Imperial)</td>
<td>Summer Day-time</td>
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<tr>
<td></td>
<td>%</td>
<td>% (%</td>
<td>%</td>
<td>%</td>
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<tr>
<td>Solar</td>
<td>20 19 37 47 0.47 0.50 2.8 0.37 0.32 0.63</td>
<td>18 21 37 47 0.47 0.50 2.8 0.35 0.31 0.58</td>
<td>18 21 37 47 0.47 0.50 2.8 0.40 0.34 0.56</td>
<td>18 21 37 47 0.47 0.50 2.8 0.32 0.28 0.54</td>
<td>18 21 37 47 0.47 0.50 2.8 0.26 0.25 0.50</td>
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<td>Total</td>
<td>30</td>
<td>15 14 12 0.35 0.35 2.0 0.32 0.27 0.67</td>
<td>14 12 15 35 0.35 0.35 2.0 0.34 0.29 0.62</td>
<td>14 12 15 35 0.35 0.35 2.0 0.30 0.26 0.58</td>
<td>14 12 15 35 0.35 0.35 2.0 0.16 0.14 0.21</td>
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<td>Visible</td>
<td>15 14 14 35 0.29 0.27 1.6 0.21 0.18 0.94</td>
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<td>14 14 14 35 0.29 0.27 1.6 0.21 0.18 0.94</td>
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<td>14 14 14 35 0.29 0.27 1.6 0.21 0.18 0.94</td>
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<td>Light</td>
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<td>14 14 14 35 0.28 0.26 1.5 0.17 0.15 1.00</td>
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<td>Energy</td>
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<td>U-Value</td>
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* Solarban® 70XL for annealed applications is applied to Starphire® glass; heat treated applications will require either clear or Starphire® glass depending on manufacturing process.

All performance data calculated using LBNL Window 6.3 software, except European U-value, which is calculated using WinDat version 3.0.1 software. For detailed information on the methodologies used to calculate the aesthetic and performance values in this table, please visit www.ppgideascapes.com or request our Architectural Glass Catalog.

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