**Saving Birds’ Lives & Energy Was Never As Easy!**

**AviProtek® E** combines the acid-etch visual markers on the number 1 surface with the Solarban® high performance low-e coatings on surface 2, creating the ideal bird friendly glazing solution to preserve birds’ lives and energy at the same time!

**Walker Glass** and **Vitro Architectural Glass** (formerly PPG) have joined forces to create the first generation of low-e coated acid-etched bird safe glass. This innovation brings the best of both worlds together and will help architects and building owners achieve their environmental goals and earn LEED credits, while meeting solar performance targets.

**Key Benefits**

- Option to use Solarban® 60 VT or Solarban® 70XL VT glasses by Vitro Glass
- Bird friendly glazing with optimal solar performance
- Plus all the benefits of **AviProtek®**

**The Offering**

**Colors**
Clear and Starphire Ultra-Clear™ glass by Vitro Glass

**Thickness**
6MM

**Dimensions**
96” x 130” only

**Low-e Coatings**
Available with Solarban®60 VT and Solarban®70XL VT glasses by Vitro Glass

**Patterns**
211, 213 and 214

**Threat Factors**
On position 1: 23 pattern 211; 29.8 pattern 213; 30 pattern 214

**Quantity**
Subject to minimum quantity

**Availability**
AviProtek® with Solarban® glass products are only available from members of the Vitro Certified™ Network.

**Samples**
To order samples please contact our Customer Service Department

**Low-e Warranty**
For more information, please communicate with Vitro Glass’ customer service department.
Acid-Etched Glass Can be Used on Position 1

Acid-etched Glass Properties

To support its use in exterior applications in general and on position 1 in particular, we have conducted several tests to assess resistance to wear, scratching, staining, and strength of the acid-etched glass surface. Refer to the chart below for the properties of our four acid-etched glass finishes, indicating equal or better performance compared to unetched glass.

<table>
<thead>
<tr>
<th>Property / Test</th>
<th>Opaque</th>
<th>Velour</th>
<th>Satin</th>
<th>Satinlite</th>
<th>Float</th>
<th>Unit of Measure</th>
<th>Interpretation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resistance to Wear</td>
<td>ASTM-501</td>
<td>213</td>
<td>210</td>
<td>198</td>
<td>214.86</td>
<td>Abrasive Wear Index (Ix)</td>
<td>Higher number = better</td>
</tr>
<tr>
<td>Resistance to Staining</td>
<td>ASTM-1378</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>Classification</td>
<td>Higher letter = better</td>
</tr>
<tr>
<td>Scratch Hardness</td>
<td>MOHs</td>
<td>5</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>Base on a scale of 10</td>
<td>Higher number = better</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Property / Test</th>
<th>Etched Side in Tension</th>
<th>Unetched Side in Tension</th>
<th>Interpretation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Modulous of Rupture</td>
<td>ASTM-C158</td>
<td>357</td>
<td>338</td>
</tr>
<tr>
<td>Maximum Load (pounds)</td>
<td></td>
<td>351</td>
<td>351</td>
</tr>
<tr>
<td>Flexural Strength (psi)</td>
<td>1.07</td>
<td>1.05</td>
<td>1</td>
</tr>
<tr>
<td>Modulous of Rupture (psi)</td>
<td>28720</td>
<td>28370</td>
<td>26720</td>
</tr>
</tbody>
</table>

* The test results do not apply to AviProtek® T products.

Limited Warranty on Surface Degradation

Walker warrants, for a period of 10 years, that the AviProtek® surface will not degrade, provided that the surface is not subjected to any conditions that would otherwise lead to premature degradation of unetched float glass.

For the complete terms and conditions of the Walker Textures® warranty, please contact our architectural experts.

For more information on bird conservation visit any of the following web sites:

**FLAP**
Fatal Light Awareness Program
www.flap.org

**USGBC**
-US Green Building Council
Pilot credit 55 - Bird collision deterrence