Solar Control Bird-Friendly Glass Solutions

LOW-E ARCHITECTURAL GLASS FOR THE BIRDS.

Low-E technology combined with frit patterns to mitigate bird collisions

Attributes
- Attractive neutral reflected color.
- Endorsed by the American Bird Conservancy.
- Provides energy efficiency and potential bird collision avoidance.
- May help earn LEED Pilot Credit #55: Bird Collision Deterrence.

Avoidance Index and Material Threat Scores*
- **20% White Dots (#2) with SunGuard SNX-L 62/34 (#3)**
  - AI Score: 79
  - Useable Flights: 87
  - MT Score: 21
- **40% White Dots (#2) with SunGuard SNX-L 62/34 (#3)**
  - AI Score: 78
  - Useable Flights: 81
  - MT Score: 22
- **SunGuard SN 68 (#2) with 20% Gray Lines (#3)**
  - AI Score: 72
  - Useable Flights: 87
  - MT Score: 28

Insulating Glass Data

<table>
<thead>
<tr>
<th>Product</th>
<th>Outboard - Inboard Substrate</th>
<th>Transmittance</th>
<th>Reflectance</th>
<th>U-Value</th>
<th>Relative Heat Gain</th>
<th>Solar Heat Gain Coefficient</th>
<th>Light to Solar Gain (LSG)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Visible Light %</td>
<td>Ultra-violet %</td>
<td>Solar Energy %</td>
<td>Visible Light In %</td>
<td>Solar Energy Out %</td>
<td>Air</td>
</tr>
<tr>
<td>Dots on #2 surface, SNX-L on #3 surface</td>
<td>20% white dots / SNX-L 62/34</td>
<td>UltraClear - UltraClear</td>
<td>57</td>
<td>12</td>
<td>24</td>
<td>23</td>
<td>19</td>
</tr>
<tr>
<td></td>
<td>UltraClear - Clear</td>
<td>55</td>
<td>10</td>
<td>22</td>
<td>22</td>
<td>18</td>
<td>42</td>
</tr>
<tr>
<td></td>
<td>Clear - Clear</td>
<td>47</td>
<td>9</td>
<td>20</td>
<td>33</td>
<td>25</td>
<td>55</td>
</tr>
<tr>
<td></td>
<td>Clear - Clear</td>
<td>46</td>
<td>7</td>
<td>19</td>
<td>32</td>
<td>25</td>
<td>44</td>
</tr>
<tr>
<td>SN 68 on #2 surface, 1/8” gray lines on #3 surface</td>
<td>20% gray lines / SNX-L 62/34</td>
<td>UltraClear - UltraClear</td>
<td>57</td>
<td>32</td>
<td>30</td>
<td>14</td>
<td>14</td>
</tr>
<tr>
<td></td>
<td>Clear - Clear</td>
<td>55</td>
<td>24</td>
<td>27</td>
<td>14</td>
<td>14</td>
<td>34</td>
</tr>
</tbody>
</table>

* Scores are valid in the described coating and frit configurations using Clear or UltraClear glass.
- Guardian performance data are calculated for center-of-glass only (no spacer or framing) in accordance with the LBNL Window 7 program.
- Guardian reserves the right to change product performance characteristics without notice or obligation.
- Avoidance Index (AI) Scores indicate the fraction of trials in which birds flew towards the unpatterned control glass.
- As of June 2015, Material Threat (MT) Scores are calculated as (1 - AI) x 100. Note that this calculation is determined by the LEED Pilot Credit committee and is subject to change.

To learn more, call us at 1-866-GuardSG (482-7374) or visit us online www.SunGuardGlass.com