Extremely high selectivity coating featuring advanced thermal properties and market leading neutrality.
SGG COOL-LITE® XTREME 70/33 II

Extremely high selectivity neutral solar control glass

Description

SGG COOL-LITE XTREME 70/33 II is the latest innovation in high performance solar control coatings. The coating is applied to SGG PLANICLEAR by cathodic sputtering under vacuum conditions.

SGG COOL-LITE XTREME 70/33 II offers the most neutral aesthetics & high performance solar control on a ‘to be toughened’ triple silver product with the additional benefit of achieving a selectivity of 2.12.

Benefits

SGG COOL-LITE XTREME 70/33 II sets a new standard in high performance solar control, while retaining the excellent neutral aesthetics associated with the SGG COOL-LITE range:
- A high light transmission of 70% to help maximise daylight - closely associated with indoor comfort
- A low solar factor of only 0.33 helps to reduce a building’s cooling loads & potential requirement for air conditioning
- An excellent centre pane U-value of 1.0W/m²K making it ideal for energy savings and improved thermal insulation
- A high degree of neutrality both in transmission and exterior reflection
- The most neutral coating within the SGG COOL-LITE range

SGG COOL-LITE XTREME 70/33 II can be used to create comfortable interior space by reducing overheating in the summer and heat loss in the winter, whilst retaining market leading neutral aesthetics.

Applications

SGG COOL-LITE XTREME 70/33 II features an extremely selective solar control coating for use in the commercial market:

Commercial Offices
Can significantly reduce solar heat gain on offices featuring large glazed facades.

Healthcare Sector
Maximising light for health & wellbeing.

Education Sector
Increasing indoor comfort to assist the learning environment.

SGG COOL-LITE XTREME 70/33 II is ideally suited for use in facades or overhead glazing in applications requiring toughened or heat treated glass.

Instructions for use

For optimum product performance and aesthetics SGG COOL-LITE XTREME 70/33 II must always be toughened or heat-strengthened before assembly into a double or triple glazed unit. Should be positioned on face 2 of a double or triple glazed unit to achieve its highest performance criteria.

Please see the SGG COOL-LITE XTREME II handling guidelines for more information.

Range

SGG COOL-LITE XTREME 70/33 II is available in a 6000mm x 3210mm size and in a thickness of 6mm.

Additional sizes and 8mm & 10mm thicknesses are also available on request.

Technical Specifications

Performance Data

<table>
<thead>
<tr>
<th>DGU with</th>
<th>Internal Pane</th>
<th>External Pane</th>
<th>Composition in mm</th>
<th>Coating Positions</th>
<th>LT</th>
<th>LRe</th>
<th>g-value*</th>
<th>Shading Coefficient</th>
<th>U-Value in W/m²K</th>
<th>90% Argon</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SGG COOL-LITE XTREME 70/33 II</td>
<td>SGG PLANICLEAR</td>
<td>6(16)4</td>
<td>Face 2</td>
<td>70%</td>
<td>17%</td>
<td>0.33</td>
<td>0.38</td>
<td>1.3</td>
<td>1.0</td>
</tr>
</tbody>
</table>

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Distributor

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* Light and solar performance according to EN 410

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