See the inner beauty
DESCRIPTION

SGG VISION-LITE® low-reflective coated glass has the property to significantly reduce the reflection of visible light on the surface of glass. SGG VISION-LITE® is obtained by magnetically enhanced cathodic sputtering under vacuum conditions, by applying transparent coatings of metallic oxide to the glass.

APPLICATIONS

SGG VISION-LITE® low reflective glass is ideal for all applications that require maximum transparency and unimpaired vision through the glass.

Internal:
• Display cabinets in museums and protective screens for paintings;
• Display units and shop fronts;
• Internal partitions (hospitals, control rooms, TV studios etc.);
• Signage or advertising panels for railways, motorways and airports etc

External:
• Shop fronts and show rooms;
• Glazed areas in panoramic restaurants;
• Control towers, control rooms and observation rooms;
• Screens to separate spectators in terraced stadiums.

ADVANTAGES

• Optimum vision, very high transparency levels and very low residual reflectance (approximately 10 times less reflective than conventional glass) for improved visibility.
• Clarity of objects, better contrast and color rendering.
• Acoustic insulation using SGG STADIP® SILENCE.
• Enhanced thermal insulation properties with a low-emissivity coated glass.

RANGE

SGG VISION-LITE® is available on SGG DIAMANT® substrate as follows:
• Laminated, SGG VISION-LITE® STADIP PROTECT with low-reflective coating on both external sides.
• Monolithic, SGG VISION-LITE® II “to be tempered glass”, with low-reflective coating on both sides.
• SEMI VISION-LITE® II, for tempered-to be laminated glass, with a low-reflective coating on one side.

PROCESSING AND INSTALLATION

SGG VISION-LITE® is a coated glass which is treated on both sides. It must be processed and installed in accordance with specific instructions.

Important notes:
• For horizontal interior applications (museum display cabinets, shelves, tables etc.), precautions must be taken to avoid frequent and excessive finger marks and the risk of scratching.
• The residual reflectance of SGG VISION-LITE with two low-reflective coated sides is very low (approximately 1%).

It is however still visible under certain lighting conditions viewing angles and in certain surrounding environments. The residual reflectance depends on the angle from which it is viewed.

Performances

<table>
<thead>
<tr>
<th>Product</th>
<th>Light Transmittance LT [%]</th>
<th>Light Reflectance LR [%]</th>
</tr>
</thead>
<tbody>
<tr>
<td>SGG PLANICLEAR®, 8 mm</td>
<td>89</td>
<td>8</td>
</tr>
<tr>
<td>SGG DIAMANT®, 8 mm</td>
<td>91</td>
<td>8</td>
</tr>
<tr>
<td>SGG VISION-LITE® STADIP PROTECT 44.2</td>
<td>96</td>
<td>1</td>
</tr>
<tr>
<td>SGG VISION-LITE® II, 8 mm</td>
<td>98</td>
<td>1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product</th>
<th>Thickness</th>
<th>Size*</th>
</tr>
</thead>
<tbody>
<tr>
<td>SGG VISION-LITE® STADIP PROTECT</td>
<td>44.2, 55.2, 64.2, 66.2, 88.2, 1010.2</td>
<td>6000 x 3210**</td>
</tr>
<tr>
<td>SGG VISION-LITE® II</td>
<td>4, 6, 8, 10</td>
<td>**a trimming of 2 cm over the edges should be considered</td>
</tr>
<tr>
<td>SGG SEMI VISION-LITE®</td>
<td>4, 6, 8, 10</td>
<td>**other sizes available on request</td>
</tr>
</tbody>
</table>

Graphics: Ad Alchemy - September 2016

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