Dua-l-action
self-cleaning glass
Applications

SGG BIOCLEAN self-cleaning glass will revolutionise the way you clean your windows.

It has been designed for external use, either in the home or commercial buildings, both new build and refurbishment projects including:

- Windows and patio doors
- Conservatories, balconies and overhead glazing
- Glazed façades, exterior shopfronts and display windows, overhead and atria glazing, street furniture
- Hard to reach areas

SGG BIOCLEAN can be used in all environments and is particularly effective in heavily polluted areas (e.g. near industrial estates and airports). It must be installed vertically or in an inclined position.

Advantages

- The most neutral self-cleaning glass available - no unsightly tint or reflective surface. Looks just like normal glass!
- Less frequent cleaning - windows stay cleaner for longer.
- Much easier cleaning - less dirt and grime adheres to the glass.
- Save money - the cost of window cleaning is reduced.
- Ideal for hard to reach areas - clean where you have never been able to clean before!
- Permanent coating - lasts the lifetime of the window.
- Environmentally friendly - less frequent use of water and detergents.
- Now available with an advanced performance solar control coating.
**How does it work?**

SGG BIOCLEAN harnesses the power of both UV light from the sun and rain to efficiently combat dirt and grime that accumulates on the outside of the window (dried water marks, organic atmospheric pollutants, dust, sea spray and insect residues). The performance of the self-cleaning action can vary depending on the amount and type of dirt on the windows, the total exposure to light and rain the glass will receive and the incline of the window.

To activate the coating, the glass must be exposed to natural light for several days. The length of time required will also depend on the season and the orientation of the glass.

**Processing Guidelines**

Avoid all contact between the glass and pointed or sharp objects.

Avoid all direct contact with silicone (sealants, sprays, suckers, gloves).

Always position the coated face towards the outside of the sealed unit and laminated glass.

Separate stock or processed glass with non-adhesive transit pads.

**Product Range**

- **SGG BIOCLEAN**
  - Monolithic Glazing: Standard Dimensions (in mm): PLF 6000 x 3210 x 2250
  - Double Glazing: SGG BIOCLEAN can be combined with many other high performance products, such as the SGG PLANITHERM range for multi-functional glazing
  - Laminated Glass: SGG BIOCLEAN STADIP, SGG BIOCLEAN STADIP PROTECT, SGG BIOCLEAN STADIP SILENCE
  - Toughened Glass: SGG BIOCLEAN SECURIT
  - Solar Control: SGG BIOCLEAN COOL-LITE ST, dual-coated glass (please contact SGG UK for details)

**Description**

SGG BIOCLEAN is a self-cleaning glass manufactured by depositing a transparent layer of photocatalytic and hydrophilic mineral material onto clear glass. The coating, which is integrated into the glass itself, ensures a high level of durability. The mechanical, thermal and acoustic properties of SGG BIOCLEAN are identical to normal glass.

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**Spectrophotometric Data in accordance with CEN standards**

<table>
<thead>
<tr>
<th>Products</th>
<th>Light Factors</th>
<th>UV</th>
<th>Solar Factor</th>
<th>U-Value</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>LT%</td>
<td>LRe %</td>
<td>Tuv %</td>
<td>gEN 410</td>
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<tr>
<td>SGG PLANILUX 4 mm</td>
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<td>56</td>
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<tr>
<td>SGG BIOCLEAN 4 mm</td>
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<td>SGG BIOCLEAN 6 mm</td>
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<td>SGG BIOCLEAN STADIP PROTECT 8.8 mm</td>
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<tr>
<td>SGG BIOCLEAN with SGG PLANITHERM TOTAL+ 4 (16) 4 mm</td>
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<td>SGG BIOCLEAN COOL-LITE ST with SGG PLANITHERM TOTAL+ 4 (16) 4 mm</td>
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<tr>
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<td>SGG BIOCLEAN COOL-LITE ST with SGG PLANITHERM 4S 4 (16) 4 mm</td>
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<td>13</td>
<td>0.29</td>
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</tbody>
</table>

*SGG PLANITHERM TOTAL+ coating on face 3, 4mm (16mm 90% argon-filled cavity) 4mm.  
**SGG COOL-LITE ST coating on face 2.  
***SGG PLANITHERM TOTAL+ coating on face 3, 4mm (16mm 90% argon-filled cavity) 4mm.  
****SGG COOL-LITE ST coating on face 2.  
*****SGG PLANITHERM ULTRA N II coating on face 3.  
******SGG COOL-LITE ST coating on face 2.  
*******SGG PLANITHERM 4S coating on face 3.*