

A SELF-CLEANING GLASS

A SELF-CLEANING GLASS SGG BIOCLEAN®

In **PERFECT PLUS_{BH}**, **COMFORT_{BH}**,
TERMO V_{BH}, **TERMO_{BH}** and **TERMO PVC_{BH}** windows

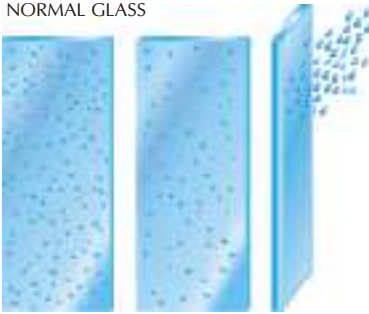
is a self-cleaning glass manufactured by depositing a transparent layer of photocatalytic and hydrophilic mineral material on to clear glass.

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.

6 REASONS TO CHOOSE SGG BIOCLEAN!

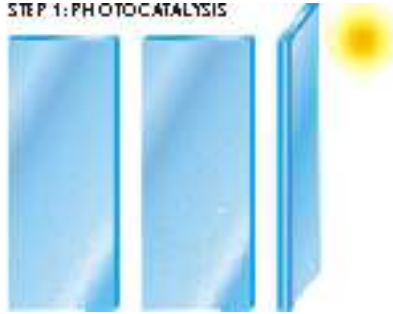
- ▶ Less frequent cleaning - windows stay cleaner for longer
- ▶ Much easier cleaning - less dirt and grime sticks to the glass.
- ▶ The cost of window cleaning is reduced.
- ▶ Clear vision through your windows even when it is raining.
- ▶ Neutrality and transparency is the same as normal glass.
- ▶ Less frequent use of detergents, helping to protect the environment.

NORMAL GLASS



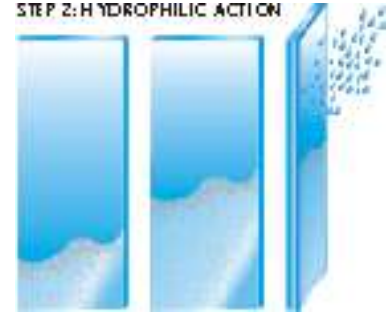
Dirty water marks and grime gather on the window

STEP 1: PHOTOCATALYSIS

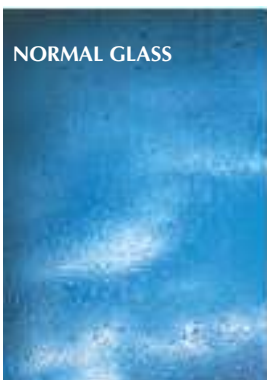


Exposure to the UV rays present in daylight triggers the decomposition of organic dirt and causes the surface of the glass to turn hydrophilic.

STEP 2: HYDROPHILIC ACTION



Water (or rain) forms a sheet of water across the surface of the glass and rinses away broken-down organic dirt and mineral material.



NORMAL GLASS



SGG BIOCLEAN®

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.



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

MAINTENANCE

- ▶ SGGBIOCLEAN does not need to be cleaned as frequently as conventional glass. However, it is not a “maintenance free” glass.
- ▶ Should the glass require cleaning this can be done by simply rinsing with soft or demineralised water.
- ▶ For stubborn marks use warm soapy water with a clean sponge, or a standard window cleaning product and soft, clean cloth.
- ▶ Do not bring the coating into contact with sharp or abrasive objects such as razors, wire wool or knives.
- ▶ Do not use abrasive cleaners, or ‘water-repellent’ cleaning products which may form a film on the glass.

AS AND WHEN CLEANING IS REQUIRED, THE USE OF A SOFT, CLEAN SPONGE OR CLOTH IS RECOMMENDED:



- ▶ Clean water will normally suffice (with small lime content)
- ▶ Standard, mild glass-cleaning products can also be used



- ▶ Soft and clean cloth
- ▶ Clean and nonabrasive sponge



- ▶ A clean, without silicon, non-metal window squeegee can be used.
- ▶ Soft window cleaner

VOID ALL USE OF AGGRESSIVE OR CHEMICAL COMPOUNDS AND ABRASIVE EQUIPMENT/TOOLS:



- ▶ Avoid contact with all sharp or abrasive objects including jewellery, buckles, tape measures, razor blades, Stanley knives, scouring pads, steel wool, sandpaper etc.



- ▶ Avoid contact with scouring pads, steel wool, sandpaper etc.



- ▶ Do not use chemical products: soda, bleach, washing powder, white spirit etc.
- ▶ Do not use any commercial cleaning products which are intended specifically for cleaning elements other than glass (aluminum, wood, etc.)
- ▶ Do not use any glass treatment products containing silicones except “soudal special” or abrasive particles.