



SGG BIOCLEAN

FAQ



WHAT'S SGG BIOCLEAN?

SGG BIOCLEAN is a surface-coated glass which combines and exploits the actions of **sunshine and rain** to keep **windows and glass panes** cleaner, longer.



FUNCTIONING?

Ultra-violet radiation conveyed by daylight decomposes dirt present on the **SGG BIOCLEAN's** surface.



Then, **rain (or a water jet)** flushes away this residue without forming drops of water or leaving streaks or marks.



SGG BIOCLEAN GLASS' BENEFITS?

Time-saving: faster cleaning, less frequently.



Easy-to-clean: less dirt accumulates.



Ideal for hard-to-reach places: pitched conservatory roofs and skylights.



Greater transparency: clearer view when it's raining and outside condensation disappears faster.



Environmentally-friendly: no more detergent required.



Financial gain: save on cleaning products and cleaning costs.



HOW DOES SGG BIOCLEAN CARE FOR THE ENVIRONMENT?

The workings behind SGG BIOCLEAN are **100% natural** and do not require detergent. The product is **100% recyclable**.

SGG BIOCLEAN, A SELF-CLEANING GLASS?

The SGG BIOCLEAN coating's functionality has been certified by independent tests compliant with EN 1096-5 which qualifies self-cleaning glass.

This certificate can be recovered from your Saint-Gobain sales contact.

However, if SGG BIOCLEAN simplifies glazing maintenance, **a human intervention may be necessary** except for sloped conservatory roofs with a pitch higher than 10°.

WHAT'S THE DIFFERENCE WITH THE OLD SGG BIOCLEAN?

The new **SGG BIOCLEAN** is manufactured using an **innovative LASER technology** developed by SAINT-GOBAIN and protected by more than **40 patents**. The 2018 version presents similar features and performance as the former product, with more versatility for substrates (colored or DIAMANT) and bi-coating combinations on the opposite side (i.e. COOL-LITE, PLANISTAR SUN or PLANITHERM).



FUNCTIONS & APPLICATIONS



FOR WHAT KIND OF DIRT?

SGG BIOCLEAN glass can naturally degrade organic Pollutants (**exhaust** gas, Vegetal or Animal pollutants, finger prints..).

DOES SGG BIOCLEAN WORK WHEN THERE'S NO SUN?

YES

SGG BIOCLEAN works thanks to exposure to daylight: UVs **decompose the dirt** present on the glass, even if there is no sun.

DOES IT WORK DURING THE NIGHT?

YES

The glass's **hydrophilic function** remains active and **prevents water drops from forming when it rains.**



DOES IT WORK WITHOUT RAIN OR WATER?

NO

It's essential for **SGG BIOCLEAN** to be in contact with water, whether this is **rainwater or clear water** (water jet) to effectively eliminate residue.

WHERE TO INSTALL SGG BIOCLEAN GLASS?

SGG BIOCLEAN is especially recommended for **pitched (>10°) conservatory roofs**, where glazing access is complicated. It is also ideal for **large bay windows, skylights, hard-to-reach glazing** and railings, and for **exposed glass facades**. It can be installed in both new constructions and renovation.



WHERE TO INSTALL SGG BIOCLEAN GLASS?

On pitched (>10°)
conservatory roofs



On bay windows



On hard-to-reach
glass panes and railings



On exposed glass facades



SGG BIOCLEAN GLASS BY THE SEASIDE?

NO

Sea salt deposited on the glass **blocks the UV rays** thus affects the product's functionality.

INSTALLING SGG BIOCLEAN ON THE INNER SURFACE OF THE GLASS?

NO

The mineral coating only functions when **in direct contact with UV rays and water**, which makes **indoor use impossible**.

HOW LONG DOES IT TAKE FOR THE SGG BIOCLEAN FUNCTION TO BE ACTIVATED?

One week after installing the glass, the function is gradually activated under the effect of daylight's UV rays.



SGG BIOCLEAN'S SERVICE LIFE?

The **SGG BIOCLEAN** coating undergoes **high-durability** treatment which is totally embedded into the surface of the glass. This process spans time without losing its efficiency and **its service life is the same as that of other glazing units.**

HOW TO WASH SGG BIOCLEAN WINDOWS?

Simply spray clear water on them, using a hose-pipe for example. No more need for detergents. For stubborn stains, **use hot soapy water.**

Details on the recommended cleaning procedure and precautions for use are specified in the maintenance data-sheet.



TECHNICAL SPECIFICITIES



**IS IT POSSIBLE TO COMBINE
SGG BIOCLEAN WITH
ANOTHER GLASS FUNCTION?**

YES

SGG BIOCLEAN can be assembled into insulating glazing and **combined in a virtually unlimited way with all glass products** (Planitherm XN, PLANISTAR SUN, COOL-LITE, STADIP, etc...). It can be tempered and laminated (coating on side 1).

**DOES SGG BIOCLEAN HAVE
A PARTICULAR COLOR,
DIFFERENT FROM OTHER
TYPES OF GLASS?**

NO

SGG BIOCLEAN glass is **completely neutral, colorless**, which means that it blends in perfectly with other glass units.



HOW TO KNOW THE GLASS IS SGG BIOCLEAN?



The coating bears a **SGG BIOCLEAN** label.

IS SGG BIOCLEAN COMPATIBLE WITH SILICONE PRODUCTS?

NO

No. **SGG BIOCLEAN** coating by nature must not be brought into direct contact direct with **silicone** in any shape or form: spray, suction pads, gloves, etc. The use of Silicone sealants (dry gaskets or wet sealants) for the glass-frame seal is forbidden. Indeed, Silicon oils actually

IS IT POSSIBLE TO TEMPER SGG BIOCLEAN GLASS?

NO

For a tempered version of SGG BIOCLEAN, you need to procure **SGG BIOCLEAN II glass**, which can be tempered.

