

# SGG BIOCLEAN QUESTIONS & ANSWERS

## SGG BIOCLEAN THE PRODUCT

### 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. A transparent coating embedded into the outer surface of the glass first uses **daylight's UV rays** to **decompose stains and dirt** and then, **water** (rain or water jet) **to remove them**.



### How does SGG BIOCLEAN glass work?

Ultra-violet radiation conveyed by daylight **decomposes dirt** present on the SGG BIOCLEAN surface. Then, rain (or a water jet) **flushes away this residue** without forming drops of water or **leaving streaks or marks**.

### Is SGG BIOCLEAN glass self-cleaning?

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**.

### What are the benefits of installing SGG BIOCLEAN glass?

-  - **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**.

### 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).

## SGG BIOCLEAN FUNCTIONS & APPLICATIONS

### SGG BIOCLEAN works on what kind of dirt?

SGG BIOCLEAN glass can naturally degrade organic pollutants (exhaust gas, Vegetal or Animal pollutants, finger prints...). Inorganic dirt is not decomposed, however they are washed off with water film at the glass surface.

### Does SGG BIOCLEAN work when it's cloudy or when there's no sun?

Yes. SGG BIOCLEAN works thanks to exposure to daylight: UVs decompose the dirt present on the glass, **even in a cloudy weather**.



### Does SGG BIOCLEAN work during the night?

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



### Does SGG BIOCLEAR work without rain or water?

No. It's essential for SGG BIOCLEAR to be in **contact with water**, whether this is rainwater or clear water (water jet) to effectively eliminate residue.

### Where can I install SGG BIOCLEAR glass?

SGG BIOCLEAR 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.

### Can SGG BIOCLEAR glass be installed by the seaside?

No, **sea salt deposited on the glass blocks the UV rays**. The SGG BIOCLEAR coating is not damaged but this may affect the product's functionality. SGG BIOCLEAR can then recover its full functionality by simply hosing with water.

### Is it possible to install SGG BIOCLEAR 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 BIOCLEAR function to be activated?

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

### What is SGG BIOCLEAR's service life?

The SGG BIOCLEAR 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 BIOCLEAR 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.



## SGG BIOCLEAR TECHNICAL SPECIFICITIES

### Is it possible to combine SGG BIOCLEAR with another glass function (thermal, acoustic insulation for example)?

Yes. SGG BIOCLEAR 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).

### Aesthetically speaking, due to this special coating, does SGG BIOCLEAR have a particular color, different from other types of glass?

No. SGG BIOCLEAR glass is **completely neutral, colorless**, which means that it blends in perfectly with other glass units.

### How to know the glass is SGG BIOCLEAR?



The coating bears a SGG BIOCLEAR label.

### Is SGG BIOCLEAR compatible with silicone products?

No. SGG BIOCLEAR 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 migrate and provoke an edge effect on the windows, over several centimeters. The list of compatible sealants with SGG BIOCLEAR can be recovered from your Saint-Gobain contact.

### Is it possible to temper SGG BIOCLEAR glass?

No. For a tempered version of SGG BIOCLEAR, you need to procure SGG BIOCLEAR II glass, which can be tempered.

