

SGG BIOCLEAN WINDOW-CLEANING BECOMES CHILD'S PLAY



For **74%**⁽¹⁾

of private individuals,
cleaning their windows or conservatory
glass is no menial task.

SGG BIOCLEAR, FOR
WINDOWS THAT STAY
CLEANER, LONGER

While your customers love the generous light only
a conservatory, large bay-window or glass roof can offer,
they're less keen when it comes to cleaning.

So why not offer them SGG BIOCLEAR, a technology destined to simplify daily life.

SGG BIOCLEAR windows are easier and faster to clean,
and need doing so less often.

They stay clean longer, providing more light with less effort.

Your customers have no reason to think twice any more.

(1) Study undertaken in April 2018 by INSEMMA, 150 respondents.



SGG BIOCLEAR

QUICK AND EASY, SCRUB-FREE CLEANING

Thanks to a special transparent coating embedded into its outer surface, the glass stays cleaner, longer, playing on **daylight's ultraviolet rays which decompose organic pollutants**, and on **the rain which then flushes them away**, naturally.

This coating also avoids streaks formed by water drops, making cleaning easier.

SGG BIOCLEAR's efficiency remains constant over time, your SGG BIOCLEAR windows maintaining their properties **over their whole service life**.



*"I very soon traded
in my cleaning tools and
opted for the water jet
solution, which is the
best cleaning option
I would recommend"*

Jean-Pierre

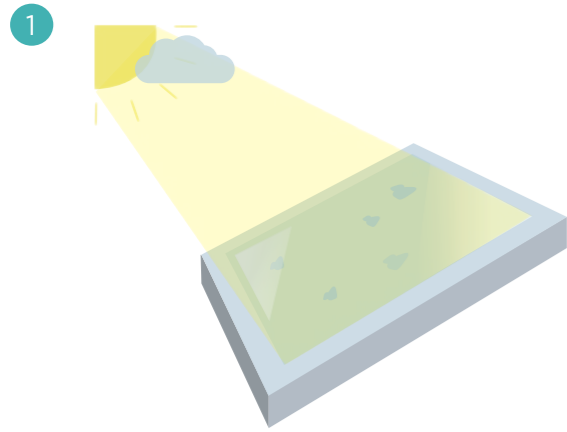


*"With SGG BIOCLEAR
we've much less hassle
cleaning, it's just
a pleasure to enjoy
our conservatory"*

Sylvie

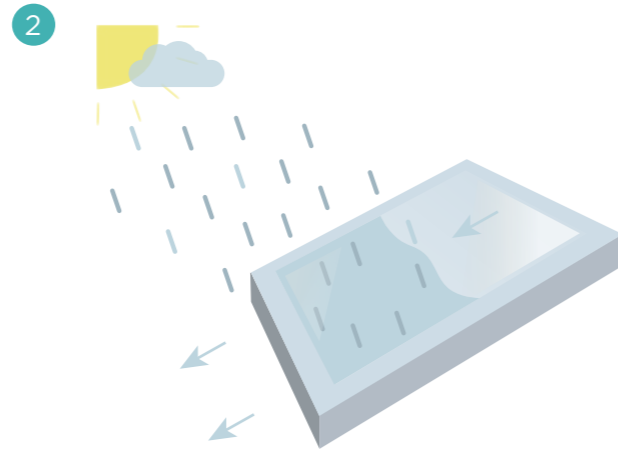
HOW DOES IT WORK?

SGG BIOCLEAN acts **100% naturally** by exploiting the dual action of daylight and rainwater.



The UV-activated **photo-catalysis** disintegrates dirt such as streaks of rain, dust and organic atmospheric pollutants, present on the surface of the glass.

Watch the demo video.



Thanks to the **hydrophilic** effect, previously disintegrated dirt is eliminated by rainwater (or by spraying water) which runs off the glass surface easily.

BENEFITS FOR YOUR CUSTOMERS:



Time-saving.



Easier to clean, and less often.



Ideal for hard-to-reach places.

CARE FOR THE ENVIRONMENT

- 100% natural action.
- 100% recyclable glazing.
- Glazing composed of 30% recycled materials.
- Lower use of water and detergents.



Environment

SGG BIOCLEAN WHERE TO USE IT?

With SGG BIOCLEAN, keeping even the most exposed windows clean is no longer a problem. Thanks to SGG BIOCLEAN technology, the largest or hardest-to-reach windows **can be cleaned more easily, faster and less often.**

Even **more generous light** is produced, effortlessly, reducing even the cost of labor and cleaning products, because a **simple water jet is enough.**

On pitched conservatory roofs (> 10°)



Natural cleaning

On bay windows



Cleaning 5x faster

On hard-to-reach glass panes and railings



Cleaning 3x less frequent

On exposed glass facade



More economical cleaning

SGG BIOCLEAR

TECHNICAL INFORMATION

THE SGG BIOCLEAR RANGE (AVAILABLE IN PLANICLEAR AND DIAMANT)

- SGG BIOCLEAR: 3, 4, 6, 8, 10 mm.
- SGG BIOCLEAR to be tempered (SGG BIOCLEAR II): 3, 4, 6, 8, 10 mm.
- Bi-coated SGG BIOCLEAR (combined with other glass functions): 4 et 6 mm.

Possible associations

SGG BIOCLEAR + PLANITHERM XN

SGG BIOCLEAR + PLANISTAR SUN

SGG BIOCLEAR + COOL-LITE SKN 165, 176, 154, 145

SGG BIOCLEAR + COOL-LITE XTREME 60-28

SGG BIOCLEAR + STADIP (PROTECT and SILENCE range)

PERFORMANCE

In accordance with EN 673 and EN 410 standard.

EXTERIOR GLASS	INTERIOR GLASS	COMPOSITION (mm)	LIGHT TRANSMISSION TL (%)	EXTERNAL LIGHT REFLEXION RL (%)	SOLAR FACTOR g (%)	Ug (W/m ² .K)
SGG BIOCLEAR	PLANITHERM XN	4-16-4	77	14	62	1.1
SGG BIOCLEAR PLANISTAR SUN	PLANICLEAR	4-16-4	68	17	36	1.0
SGG BIOCLEAR COOL-LITE SKN 176	PLANICLEAR	6-16-4	66	16	35	1.0
SGG BIOCLEAR COOL-LITE SKN 165	PLANICLEAR	6-16-4	57	19	32	1.0
SGG BIOCLEAR COOL-LITE SKN 154	PLANICLEAR	6-16-4	49	21	26	1.0
SGG BIOCLEAR COOL-LITE SKN 145	PLANICLEAR	6-16-4	39	21	21	1.1
SGG BIOCLEAR COOL-LITE XTREME 60-28	PLANICLEAR	6-16-4	56	17	26	1.0

For any other combination visit : calumenlive.com



CERTIFICATION

SGG BIOCLEAR meets the requirements of EN 1096-4 related to the durability of coated glass for buildings. It fulfils this standard's A-Class requirements (coating on surface 1).

The coating functionality has been certified by independent tests according to EN 1096-5 standard which qualifies self-cleaning glass.

PROCESSING

The manufacturing process and service life of SGG BIOCLEAR-incorporated glazing are similar to those of standard glazing. The usual precautions taken when processing glass products also apply: avoid contact between the coating and hard or sharp objects, protect the glazing when storing on construction sites, etc. It is recommended to separate the stored glass units using suction separator-tips with no glue.

MOUNTING

When mounting the glazing, the following should be considered:

- always mount and install the glass with the coating on the **outer side**;
- use EPDM-style silicone-free **extruded seals** to fit the glass tightly into its frame;
- **clean the windows well**, once mounted.

The SGG BIOCLEAR function is activated one week after being installed.

For more details: consult the mounting instructions.

MAINTENANCE

SGG BIOCLEAR requires a minimum amount of upkeep to sustainably maintain the windows in their original appearance:

- clean the coating by spraying on **soft or demineralized water**. For stubborn stains, use hot soapy water and a clean scraper or an ordinary window-cleaning product with a soft and clean cloth;
- **never use razor blades**, Stanley knives, etc.;
- **don't use abrasive or rainproof cleaning products**.

For more details: consult the maintenance instructions.



SGG BIOCLEAN, the ideal solution
for saving time.

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SGG BIOCLEAN video



Your distributor:

