

SGG BIOCLEAN INSTALLATION GUIDE

SGG BIOCLEAN glazing is designed to **stay cleaner longer and be easier** to clean than traditional glass. A transparent coating deposited on the outer surface uses daylight's UV rays and rain to eliminate dirt.

Totally integrated into the surface of the glass, this **coating ages without losing its efficiency** and has a service life equivalent to that of other glazing. However, like any glazing, SGG BIOCLEAN comes with some special precautions for installation and maintenance. To maintain this glazing's properties, the instructions below must be followed.

RECEPTION

SGG BIOCLEAN glazing units are delivered with a **label stuck on the specific coated surface**. This label should remain on up to reception at the project works' site. It will be taken off the first time the glass is cleaned.



WAREHOUSING

Like any coated glass, SGG BIOCLEAN must be stored:

- in a **dry place, well ventilated**, protected from sudden variations in temperature and humidity;
- **away from confined areas** too heavy with greasy fumes (like silicone).

HANDLING

Recommended tools:



- **clean gloves**, not oily, dry, non-silicone-coated;



- **clean suction pads**, in good working order, non-silicone-coated.
If necessary, it is possible to equip them with adapted protection sleeves.



INSTALLING IN A FRAME

- **Always place the SGG BIOCLEAN coating on the outer surface of the window.**
- **Restrict as much as possible the use of silicone** when mounting (chocks, oily seals joints, sealants, glues, lubricants, ...) and avoid any direct contact between the silicone sealant and the coating.
- **Glass-frame seal:**

Extruded seals (EPDM, TPE, PVC, ...)

- use seals with **no silicone lubricant**. Silicon oils actually migrate and provoke an edge effect on the windows, over several centimeters.
- **co-extruded or pre-integrated seals** in the PVC profiles are generally compatible with SGG BIOCLEAN.
- if a silicone seal has to be used, it must be **carefully de-greased**. Ask for the procedure from our vendors.

Extrudable seals (wet-on-wet sealants)

- prefer **sealants from the MS Polymer TM or Hybrid Polymer families**, by checking their possible use in the intended application.
- **don't use mastic silicone** to seal the glazing because it contains oils which migrate and reduce SGG BIOCLEAN's functioning efficiency.
- **prohibit the use of linseed oil sealants.**

• **Sealant application recommendations:**

- use only the quantity of sealant strictly necessary for producing the seal;
- carefully spread the sealant by avoiding spilling over onto the glass;
- avoid polluting the central area of the glazing with sealant-contaminated gloves or cloths.

• **Cleaning procedure in case of contact with a sealant, notably silicone:**



- immediately eliminate the stain with a scraper, by avoiding to spread it;



- carefully clean the residual stain with a cloth soaked in heptane, or a cleaning agent for silicone stains, usually provided by the silicone sealant manufacturer.
Restart the operation over and over again if necessary.

APPLICATION ON THE JOB SITE

- **PROTECTION:** during periods of works and construction close to the glazing, **protect the coated side with a clean cover** to avoid getting dirty (paint, varnish, glue, grout, cement, plaster, mortar, ...) and projections of hot or abrasive particles (grinding, welding sparks, ...).
- **PERIMETRIC SEAL:** to make the seal between the joinery and the structural work, **preferably use a non-silicone sealant.**
- **FIRST CLEANING:** where sealants have been used, **wait until the seal has completely hardened** before cleaning the SGG BIOCLEAN coating. Start by hosing down the outer surface of the glazing, then complete by general maintenance (c.f. maintenance instructions).
- **ACTIVATION:** in the days following installation and the first cleaning, under the **effect of UV radiation**, the specific property of the SGG BIOCLEAN coating is gradually activated. Water spreads over the glass and forms a film. This UV-ray activation can vary between three days and one week, depending on the season and the direction the glazing is facing.

MAINTENANCE

Recommended cleaning procedure:



- **Hose down your glass** with a hose pipe (without high pressure).
Leave the glass to dry.



- For stubborn stains, pour a **few drops of detergent** (like washing-up liquid) into the water and rub with a clean sponge. Rinse thoroughly with water. Let the glass dry.

For more detailed information, consult the maintenance guide.



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