

ARADAS SELF-CLEANING GLASS



INSTALLATION AND MAINTENANCE GUIDELINES
2020, Version N° 1

ARADAS reserves the right to improve and complement this document.
Documents can be found: <https://www.aradas.lt/customer-service/>

Direct buyer confirms that is aware of ARADAS GLASS Annexes N° 2, 3 and 5, ARADAS SELF-CLEANINGGLASS and undertakes liability regarding transfer of information provided here in to the third party.



Congratulations on choosing SELF-CLEANING GLASS. Please follow these installation and maintenance instructions carefully for best results.

SELF-CLEANING GLASS has been specially designed to help your glass remain cleaner for longer than conventional glass. A transparent coating on the external surface of the glass harnesses the power of ultra-violet rays and rain (or water) to break down dirt and grime then wash it clean away. The coating is totally integrated into the surface of the glass and is highly durable. However, as with all coated glass a certain level of care must be taken when handling and maintaining.

HERE YOU WILL FIND :

- INSTALLATION AND MAINTENANCE GUIDELINES FOR WINDOW FABRICATORS AND INSTALLERS
- MAINTENANCE GUIDELINES FOR END USERS

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1. INSTALLATION AND MAINTENANCE GUIDELINES FOR WINDOW FABRICATORS AND INSTALLERS

Receipt of glass

SELF-CLEANING GLASS is delivered with a special label affixed to the coated surface. This label must remain in place until delivery on site, then carefully removed at first clean down.

Storage

- As with all coated glasses, SELF-CLEANING GLASS must be stored in a clean, dry, ventilated area, protected from any extreme variations in temperature and humidity.
- Keep the product away from confined areas where there is an obvious presence of silicone or sealant vapours.



SELF-CLEANING GLASS has a special label which identifies the coated face.



Always glaze the SELF-CLEANING GLASS face towards the exterior.

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1. INSTALLATION AND MAINTENANCE GUIDELINES FOR WINDOW FABRICATORS AND INSTALLERS

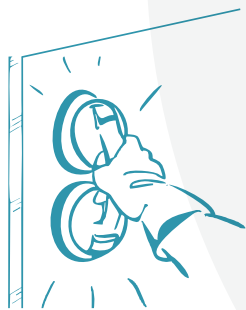
Handling/equipment

- Avoid all contact with sharp, metal or abrasive objects which may scratch the coating (e.g. belt buckles, Stanley knives, razors).
- Avoid contamination from hands which have been in direct contact with silicone.
- Use clean, dry, soft safety gloves. Avoid those with rubber or silicone grips as these will affect the coating.
- Hand held or machine suckers must be in a good condition, clean and completely silicone-free. In order to ensure their cleanliness, protective covers are available.

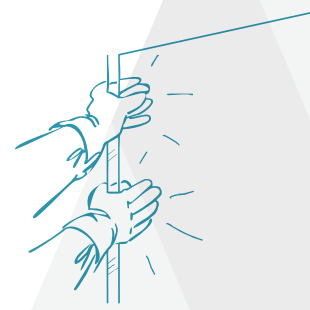
Assembly into frame

- Always position the coated surface facing towards the exterior. The coated face can be identified by the presence of a special SELF-CLEANING GLASS label.

- Avoid all contact with linseed oil and silicones during assembly and installation as these will affect the coating (including setting blocks, grease or silicone sealants, adhesives, glues, lubricants).
- Glazing tapes used in timber frames should not be capped with silicone.
- **Gaskets:**
 1. The use of pre-formed or dry gaskets (such as EPDM gaskets) is recommended.
 2. Limit contact between the gasket and the glass to the precise area necessary.
 3. Glazing gaskets must not be lubricated with silicone oil (guidelines for removing silicone oils are available).
- **Sealants:** the use of silicone sealants must be avoided
 1. Where possible avoid all use of polymerisable mastics as they release a number of oils which diminish the efficiency of SELF-CLEANING GLASS especially around the edges.
 2. Avoid all use of linseed oil mastics or putties.



Ensure that suckers are clean, well maintained and silicone-free.



Always handle using soft, clean, silicone-free gloves.

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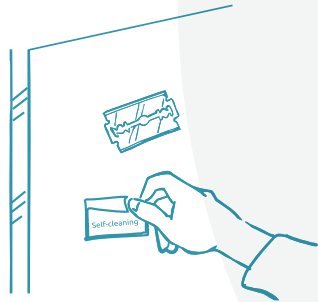
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On-site installation

- **Protection:** if any other works are taking place in the vicinity of SELF-CLEANING GLASS then protect with a clean sheet to prevent any splashes or staining from aggressive compounds (paint, varnish, glue, sealant, cement, plaster, mortar, etc). This will also protect the product from abrasive or hot particles (grinding or welding sparks, etc).
- **Sealants:** the use of an MS Polymer based sealant is recommended.
- **Lead flashing:** where lead flashing is adjacent to the glass, staining can occur from carbonate run-off. This should be minimised by using a suitable patination product whilst the lead flashing is still new.

- **First clean-down:** where polymerisable sealants have been used wait until the full polymerisation has occurred before cleaning the SELF-CLEANING GLASS coating. After carefully peeling off the special label, start with a rinse down of the coated face and complete with a normal maintenance routine (see below).
- **Self-cleaning function:** in the days after the installation and the first clean-down, the special SELF-CLEANING GLASS coating will be progressively activated by UV rays from the sun. Water will sheet off the surface of the glass without forming droplets. This initial UV generation of the coating can vary according to the season and the orientation of the glazing.



Carefully peel off the special SELF-CLEANING GLASS label. Do not use metal tools or abrasives to remove it.



As and when cleaning is required, use a soft, clean sponge or cloth.

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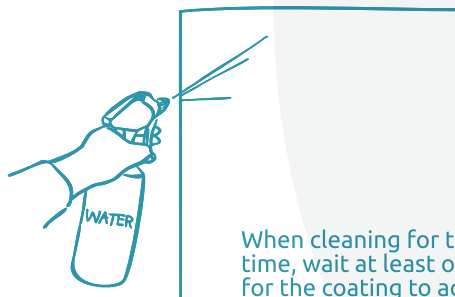
2. MAINTENANCE GUIDELINES FOR END USERS AND INSTALLATION AND MAINTENANCE GUIDELINES FOR WINDOW FABRICATORS AND INSTALLERS

Routine maintenance

SELF-CLEANING GLASS has a special property which means that the glass stays cleaner for longer than normal glass. The more exposure the product has to both sun and rain, the cleaner it will stay, for longer. However, a number of other factors affect the time it takes for a mark to be naturally removed, such as the level of ambient pollution, atmospheric conditions (e.g. long periods without rain) etc. SELF-CLEANING GLASS is NOT a '100% maintenance-free' product. Should the glass require occasional cleaning carefully follow these instructions:

Cleaning equipment required:

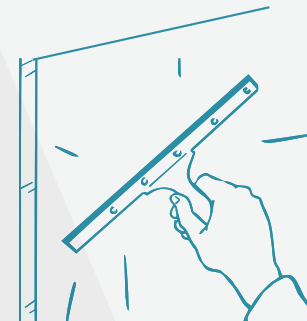
- A soft, clean lint-free cloth or chamois leather
- Or a clean, soft non-abrasive sponge
- Or a clean, non-metal window squeegee
- All equipment must be kept clean. This is to prevent any dirt or abrasive particles transferring from the equipment back onto the glass which may scratch or damage the coating.



When cleaning for the first time, wait at least one week for the coating to activate then start by simply rinsing with water or a mild window cleaner.



As and when cleaning is required, use a soft, clean sponge or cloth.



Alternatively a clean, non-metal window squeegee can be used.

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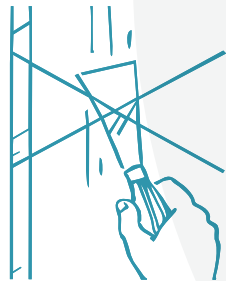
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Cleaning products:

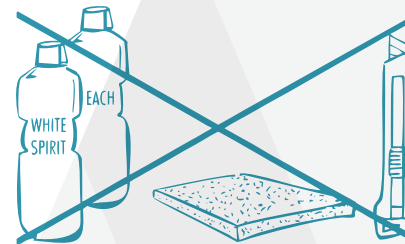
- Clean water will normally suffice. Standard, mild glass-cleaning products can also be used (visit www.conservatory-glass.com to view our list of recommended cleaning products).
- 'Soft' water is best for cleaning glass. In hard-water areas a small amount of washing-up liquid can be used to soften water.
- For the removal of stubborn marks white vinegar can be used. Always ensure that the vinegar does not come into contact with the frame and that it is washed off the glass after application.
- Vinegar is not to be used as a regular cleaning method.

IMPORTANT:

- DO NOT USE ANY GLASS TREATMENT PRODUCTS CONTAINING SILICONES OR ABRASIVE PARTICLES.
- DO NOT USE ANY COMMERCIAL CLEANING PRODUCTS WHICH ARE INTENDED SPECIFICALLY FOR CLEANING ELEMENTS OTHER THAN GLASS.
- DO NOT USE CHEMICAL PRODUCTS: SODA, BLEACH, WASHING POWDER, WHITE SPIRIT ETC.
- AVOID CONTACT WITH ALL SHARP OR ABRASIVE OBJECTS INCLUDING JEWELLERY, BUCKLES, TAPE MEASURES, RAZOR BLADES, STANLEY KNIVES, SCOURING PADS, STEEL WOOL, SANDPAPER ETC.
- NEVER ATTEMPT TO CLEAN OFF A SPECIFIC MARK ON THE SURFACE OF SELF-CLEANING GLASS WITHOUT APPLYING WATER FIRST.



Avoid all contact between the glass and metal or abrasive objects.



Avoid all use of aggressive or chemical compounds and abrasive equipment/tools.

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IMPORTANT!

- PLEASE RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE.
- THESE INSTRUCTIONS MUST BE MADE KNOWN TO ANYONE COMING INTO CONTACT SELF-CLEANING GLASS. (YOUR WINDOW CLEANER AND ECT.)



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