

Installation & Maintenance of ClearView Units

INSTALLATION GUIDE

To differentiate each surface all units are supplied with a Clearview label affixed to the non-coated surface which must be installed to the interior.

The unit must be installed with the ClearView coating located on the outside surface.

When glazing a clean dry, gasket glazing system or a system that employs non setting oil free compounds should be used. The gasket must be of high quality and free of any form of silicone oil lubrication.

There must be no use whatsoever of silicone oil to lubricate gaskets. Dry gaskets or those using glycerine all can be used as alternatives.

Silicone sealants can exude plasticisers or oil that contains silicones. These materials are extremely difficult to remove from the glass and become trapped in the coating. These are only usually visible when the glass is wet and are only noticeable as different water droplets when compared with non-contaminated glass.

Only use glazing sealants that do not leach silicone oils onto the glass or coated surface. For general wet sealing, use the correct grade of sealant.

When glazing into frames glazing tapes that contain oil or paraffin wax must not be used. Putty whilst compatible with the coating is not an appropriate glazing material for IGU's or laminates.

Where the unit is adjacent to new lead flashings white carbonate run off can stain the Clearview coating as it would with float glass.

This should be prevented with the application of Patination oil or Leadshield.

It is the installers responsibility to ensure the above recommendations are adhered to.

When Clearview is glazed into a building care must be taken to ensure the coating is protected from any site contamination.

Welding splashes rusty deposits and cement and plaster dust can all result in coating damage.

Following completion of building work the glass should be cleaned by rinsing with water to remove all traces of dust and abrasive material which may have occurred during construction.

A mild cleaning solution should then be applied (mild detergent and water solution) to the coated surface. Gently rub the wetted surface using a clean lint free cloth and wipe nearly dry. Remaining moisture will evaporate leaving a clean surface.

The use of a squeegee is not recommended, and care should be taken to ensure that no abrasive material is trapped between the glass and the cloth that may scratch the coated surface.

GLAZING LOCATIONS

Clearview can be utilised in almost any exterior location it is of especial use in inaccessible locations where organic dirt normally collects.

Please note it is recommended for exterior use only.

Where Clearview is positioned under an overhang where rain or daylight is unlikely to reach it there may be a build-up of organic matter. Where daylight is accessible but rain unlikely a gentle hosing will remove any organic matter.

Pressure washers should not be used.

Where the glass is located in a position where material is deposited beyond the capabilities of the glass to self-clean or the glass is not touched by rain then manual cleaning may be required at more regular intervals.

Coastal areas can result in salt deposits on the glass surface and may dry and crystallise. The amount depends on location, wind direction, weather conditions and glazing aspect.

Salt being inorganic cannot be broken down by the coating. Though some deposits will be removed by the rain hosing may be required. This will result in the Clearview being considerably cleaner than plain float in the same conditions and removes the need for drying.

Cleaning and Maintenance Guidelines

An insulating glass unit incorporating ClearView self-cleaning glass must be glazed with the ClearView coating to the outer surface.

To achieve and maintain the properties of the self-cleaning coatings, the following guidelines must be adhered to:

1. Regular cleaning of this product should not normally be necessary. However, extended dry periods or heavy industrial pollution can cause a build-up of contaminants on the coated surface. Under such circumstances, it may be necessary to simply hose down the window and let the glass dry naturally. Spraying should be conducted during the coolest part of the day and not in direct sunlight. It is best to spray from the top to the bottom in a zig zag pattern.
2. Periodically, the surface may become heavily contaminated with stubborn marks that cannot easily be removed by hosing down the window. Wherever heavy contamination occurs, the window should be hosed to remove any accumulation of dirt, cleaned with warm soapy water and a soft cloth, supplemented by a final water rinse. If necessary, a non-abrasive liquid glass cleaner can be utilised. Care should be taken not to trap dirt between the cloth and the ClearView surface to prevent scratching. Pressure washers or rubber squeegees should not be used as they may damage the coated surface.

3. After manual cleaning with a soft cloth a period of reactivation may be required. This is typically 5 -7 days.
4. Finger marks on the coated surface will, under normal circumstances, disappear over time. Where such marks persist, the glass should be cleaned in accordance with item 2 above.
5. Abrasive cleaners, cream cleaners and functional (e.g., anti-mist) type products must not be used on the ClearView surface, as they will damage the coated surface.
6. In geographical areas of hard water supply, hosing down could result in white marks or milky appearance to the coated surface, a consequence of mineral residues within the water. Wherever this occurs, it is recommended that a solvent-free detergent be added via a suitable applicator to minimise the effect.
7. Paints or inks cannot be broken down by the coating and care should be taken to avoid paint splash and products of a cementitious nature when decorating externally. Paint spots should be removed from the glass surface as soon as possible by use of soft cloth and cleaner (methylated spirits). The glass should be cleaned in accordance with item 2 above. See technical advice sheets.
8. Where ClearView Insulating Glass Units are likely to be stained by white carbonate run-off from lead flashing (i.e., conservatory roofs), it is recommended that all lead adjacent to the glass surface is treated with patination oil or Leadshield prior to installation.
9. Care should be taken to ensure that alkali leach-out from concrete etc. does not contaminate the glass surface.
10. Under no circumstances should any metal object or harsh chemical cleaner be used to clean or otherwise come into contact with the coated surface. Steel scrapers, razor blades, steel wool, metal squeegees, rings etc. will cause scratching and may lead to permanent damage of the coating.
11. All maintenance and repairs, above and beyond basic cleaning needs, should be carried out by a recommended installer. Note: silicone should never be used in conjunction with ClearView products. Advice on suitable sealants is available from Custom Glass Ltd.

This information has been validated and reviewed for accuracy. The recommended instructions and specifications were accurate for Custom Glass Ltd products at the time of production. However, succeeding designs and manuals are subject to change without notice. Therefore, Custom Glass Ltd assumes no liability for damage incurred directly or indirectly from errors, omissions or discrepancies between the products, instructions and standards mentioned in this document.