



fenestra conservatories

Pilkington Activ™ and Pilkington Activ™ Blue.
The world's first self-cleaning glass.

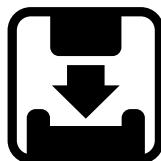
Handling and Processing Guidelines



PILKINGTON

A member of NSG Group

Installation



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Glazing

- To differentiate each surface, all insulating glass units are supplied with a Pilkington label applied to the non-Pilkington **Activ™** side. A hand-held detector can also be used to identify the coated side. They are available from Norcott Instrumentation at www.norcotti.com
- When glazing a clean, dry, gasket glazing system or a system that uses non-setting oil-free glazing compounds should be used. The gasket should be of high quality and free of any form of silicone oil lubrication.
- The use of silicone oil-containing lubricants on gaskets **must not be used**. Dry gaskets or those lubricated with glycerine oil or talc can be used as alternatives. However, the Pilkington **Activ™** coating can be expected to break down some oils and lubricants over time.
- Details of gaskets that are compatible with Pilkington **Activ™** and that have been approved are listed on www.pilkington.com/uk/technicalupdate
- Silicone sealants can exude oil or plasticisers containing silicones. These materials are very difficult to remove from the glass and Pilkington **Activ™** coating. They are usually only visible when the glass/coating is wet, and even then they are only noticeable by the different water droplet formation 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 listed on our website www.pilkington.com/uk/technicalupdate and for butt jointing and weather sealing in structural glazing systems, use the recommended alternative non silicone based product.
- When glazing into frames do not use glazing tapes that contain oil (e.g. silicone and/or paraffin wax). Putty is compatible, but it is not an appropriate glazing material for IGUs or laminates.
- Where the glass is adjacent to new lead flashings (e.g. conservatory installations), white carbonate run-off from the lead can stain Pilkington **Activ™** as it would ordinary float glass. Apply patination oil or **Leadshield™** to both sides of the flashing when it is new, to minimise this effect.

Leadshield™ is a trademark of British Lead Mills.

- It is the installer's responsibility to ensure that the above recommendations are adhered to.
- When Pilkington **Activ™** is glazed into a building, care must be taken during any further construction. Protect the coating from site contamination such as welding, rusty deposits, cement, plaster products or adhesives. Care should also be taken to ensure that alkaline leach-out from concrete, etc. does not occur. For advice on remedial action to remove contaminants, please refer to Pilkington datasheets.
- After building work is complete the glass should be cleaned by rinsing with water to remove all traces of dust or abrasives which may have accumulated during construction. Then apply a cleaning solution (a mild detergent and water solution is recommended) onto the coated surface. Gently rub the wetted coated surface with a clean, lint-free towel or cloth and wipe nearly dry. Any moisture remaining on the surface will evaporate to leave a clean surface.
- The use of a squeegee on the coated surface is not recommended. If a squeegee is used then particular care must be taken to prevent dirt particles from becoming trapped under the blade and dragged across the coating and also to stop any metal parts from contacting the surface.

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Repeat Orders, Colour Deviation

- Production tolerances can cause slight colour deviations between different batches. These are minimal within a production run. Where glass will have to be supplied over a longer period for the same project, please indicate to the manufacturer so they can minimise colour deviations.

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Recommended Glazing Angle

- Pilkington **Activ™** works best when glazed either vertical or at least 30° from horizontal. The minimum glazing angle is 10° from horizontal.



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Glazing Locations

- Pilkington **Activ™** can be used in almost any exterior application, such as windows, conservatories, facades and pitched glass roofs. It's especially useful for inaccessible windows where organic dirt normally collects, such as skylights. Please note, it is designed for exterior use only.
- Glazing with Pilkington **Activ™** under an overhang or in a situation where daylight and/or rain cannot reach it, may promote a build up of residue on the outer pane. If daylight can reach the glass but rainfall cannot, rainfall should be simulated with a hose pipe. A gentle action is all that is required to wet the glass. Pressure washers should not be used.
- When the glass is located in a position where the amount of material deposited on the surface overwhelms the self-cleaning properties of the glass, or the glass is not flushed clean by the rain, then manual cleaning or hosing may be required at more frequent intervals.
- In coastal areas, salt can be naturally deposited onto the Pilkington **Activ™** surface of the glass and can dry or crystallise. The amount will depend on how close the installation is to the sea, wind direction, weather conditions and the glazing aspect. As salt is inorganic, it is not broken down by the photocatalytic action of Pilkington **Activ™**. Although some deposits will be washed away by rainfall, it may not be enough to remove all of them and hosing may be required. During a dry spell or for especially heavy contamination consumers may wish to lightly hose or wash down the glass. This will make Pilkington **Activ™** considerably cleaner than non coated glass in the same circumstances, with the additional benefit of not having to manually dry the glass.

- If the installation is in an area of exceptionally hard water (i.e. greater than 180ppm combined content of calcium carbonate, CaCO₃ and magnesium carbonate, MgCO₃) then rinsing water should be softened with a domestic water softener or by the addition of detergent (a couple of drops of dishwashing detergent) to a litre of water.

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General

- Pilkington **Activ™** requires a short period of exposure to daylight to become fully effective.
- Advise customers that the self-cleaning property is not activated until the glass has been exposed to UV light from the sun from 4-7 days.
- In long dry spells, a hose pipe can be used to simply wash away loosened particles of dirt.

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Recycling

- Pilkington **Activ™** can be recycled as float glass. Nevertheless, all country regulations should be followed for the disposal of the glass.

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Customer Information

- Ensure all Pilkington **Activ™** customers are provided with the appropriate brochure detailing maintenance and cleaning advice. All customers should be provided with a Pilkington **Activ™** installation certificate.

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The information contained in this document provides general guidance as to best practice with regard to the handling, processing and glazing of Pilkington **Activ™**. It does not, however, constitute any representation or warranty with respect to the product, its performance or its suitability for any application. Pilkington hereby disclaim all liability howsoever arising from any error on or omission from this publication and for all consequences of relying on it. Pilkington **Activ™** and the logo are trademarks of Pilkington Group Limited.



CE marking confirms that a product complies with its relevant harmonised European Norm.
The CE marking label for each product, including declared values, can be found at www.pilkington.com/CE



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