

The background image shows a modern living room with light-colored walls and a polished wooden floor. A large glass door on the left looks out onto a garden. Above the room is a conservatory with a translucent roof and white-framed glass panels. The conservatory's structural beams and supports are visible against a clear blue sky.

MAINTENANCE GUIDE
FOR ROOFS

prefix
systems

INTRODUCTION

In order to enjoy your new room throughout every season and for many years to come, it is essential to carry out the simplest of maintenance. This guide contains general tips on how to care for your new investment to keep it looking its best and performing how it should.

This guide covers general maintenance tips for:

- Classic glazed roofs
- WARMroof
- Verandah
- Opal Rooflight

Please note: this is a general maintenance guidance only ~ for specific advice always consult your installer.



General cleaning

The roof and side frames of your new room should be washed down every four months with a soap water solution to remove grime and atmospheric deposits.

Frames only - to remove any stubborn blemishes use a strong, non-abrasive, proprietary cleaner such as cream cleanser (e.g. cream cleaner)

Please Note: Never use power washers

AVOID ALL SOLVENT BASED OR ABRASIVE CLEANERS ON THE ROOF AND FRAMES.

Gutters & Box Gutters

In a conservatory the guttering is always laid level in accordance with BS EN 12056 Parts 1,3 & 5 Code of Practice for Drainage of Roofs. Therefore you will notice standing water in your gutter system. It is important that you clean the gutters regularly – be sure to use crawl boards if accessing a conservatory roof. Clean any rainwater outlets - **do not walk on conservatory roofs.**

Weatherseals

Ensure that the weatherseals fitted to your doors and windows do not become dislodged during cleaning. If this does occur simply slide the seal back into place immediately to avoid damage when the product is closed. If the weatherseals are broken or damaged and draughts can be felt, contact your installer promptly to arrange for a replacement.

Drainage

Your double glazed products are designed with an inbuilt drainage system, comprising slots within the thresholds that allow any water ingress to flow to the outside. To ensure an efficient system these slots must remain unblocked. Periodically remove dirt, clear drain holes and check drainage operation by flushing through with water.

ENVIRONMENTAL**Condensation**

Condensation occurs when water vapour comes into contact with a cold surface such as glass and the vapour turns to water droplets. Condensation can only ever be minimised and never completely eradicated. Newly constructed structures need an initial 'drying out' period. Many hundreds of litres of water are used during its construction, i.e. dwarf walls, concrete bases and plasterwork. In winter they will take longer to dry out.

Ventilation

Provide natural ventilation to help minimise condensation and maintain a comfortable interior temperature whenever possible by:

- Opening windows/doors
- Ensure trickle vents in the ridge are open at all times.
- Ensure trickle vents at the eaves (where fitted) are open at all times
- Open the roof vent (if fitted)

Remember to consider security when leaving open an easily accessible window or roof vent.

Heating

Heating can also assist with controlling condensation and should be marginally increased in any areas where condensation is a problem. Maintain some heat in the conservatory during cold weather and if possible, place heating appliances under windows to maintain the temperature of the inside pane of the double-glazing.

MAINTENANCE.

Lubrication of Hinges

For lubrication of handles, locks and hinges, etc. use light machine oil lubricant for moving parts (e.g. "3 in 1" or "WD40") and petroleum jelly if indicated on the windows/doors.

Mastic Seal

This is the material used to seal any small gaps around the edge of doors/windows. Please note that some discolouration of the mastic seal is a natural occurrence and cannot be avoided.

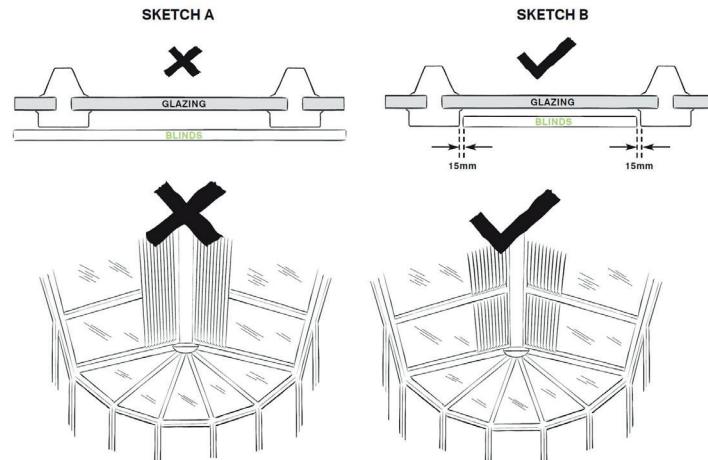
Anodised Gold Finish (Not Brass)

Never use abrasive cleaning agents. Warm soapy water and a soft cloth are sufficient.

BLINDS.

We do not recommend the use of internal blinds on any of our products. But if you do wish to install then please bear in mind the following:

- Never cover the inside of the glazing bars with blinds (sketch A)
- The installer of the blinds may (at their risk) attach/penetrate the internal uPVC claddings with fixings. Your installation company will not accept any responsibility or claims for the following problems which may occur as a result, such as:
 1. Water ingress through fixings/screw attachments
 2. Deflection of materials
 3. Distortion of materials
- The blinds must be designed to allow hot air to disperse from between the glazing material and the blind – a space of 15mm between the two is recommended (sketch B)
- Whenever blinds are installed it is recommended fitting an automatic roof vent to reduce the internal temperature. If your conservatory does not feature these items and you are finding the internal temperature too hot, contact your installer who can retro fit one.



GLAZING

The tips below apply to the glass in both the side frames and roof.

Follow these to ensure the glass in your conservatory remains clean and scratch-free. 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. After cleaning, re-activation of the coating may take 5-7 days.

Standard 'Clear' Glass

The glass used in most double-glazed units can be easily scratched and so we recommend that you remove hand jewellery prior to cleaning. Heavy external grime should be removed with a simple soap/water solution followed by the use of any proprietary household glass cleaner with a soft cloth. Laminated glass or glass containing Georgian bars between the sealed units is cleaned in exactly the same manner.

Self-cleaning

Self cleaning glass has been specially designed to 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 exercised when handling and maintaining.



**Self cleaning glass is not
'100% maintenance free'**

Labels

- If any labels are still attached to the glass carefully peel them off .
- Care must be exercised when removing the label from the glass to ensure that the special coating is not damaged. Do not use a razor, scraper or wire-wool to remove the label.

Activation

- During the week after initial installation the self- cleaning property will be progressively activated, triggered by exposure to UV light.
- The length of time required to activate the coating by UV rays can vary depending on the season and the orientation of the glass, but is normally within a week.
- When the glass is wet a small border of water droplets may appear around the perimeter surface of the glass. This is perfectly normal.

First time cleaning

- Wait at least a week before cleaning the glass for the first time to ensure all sealants used in its installation are fully set.
- Start with a rinse or hose-down with clean water and continue, when necessary, with the normal maintenance routines (see page 10). When hosing, start at the top and zig-zag to the bottom. Spray at the coolest part of the day and not in direct sunlight.

Normal Maintenance - Self Cleaning Glass

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), orientation of the conservatory, sloping or vertical use of self cleaning glass etc. Should the glass require occasional cleaning, ensure that only the following are used:

- A soft, clean lint-free cloth or chamois leather
- Or a clean, soft non-abrasive sponge
- Or a clean, non-metal window squeegee

Cleaning Products

- Clean water will normally suffice. Standard supermarket mild glass cleaning products can also be used.
- 'Soft' water is best for cleaning glass. In hard-water areas a small amount of washing up liquid can be used to soften water.

Protection during building/maintenance works

If any other works are taking place in the vicinity of your glass roof then protect the glass with a clean plastic 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). In the event of contamination, consult the websites on page 11 for detailed advice on how to remove the offending stains.

Saint-Gobain Bioclean

www.selfcleaningglass.com/technical-support.asp

Pilkington Activ™

pilkingtonselfcleaningglass.co.uk/html/supplier/downloads.php

- **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.

Leaded Glass Cleaning

Extra care must be taken when cleaning leaded windows so as not to dislodge the lead from the surface of the glass. Warm soapy water applied with a soft cloth is adequate for cleaning leaded glass.

**PLEASE NOTE THAT EXTERNAL LEAD WILL OXIDISE.
THIS IS A NATURAL PHENOMENON. AND CANNOT BE AVOIDED.**

Scratched Glass

Scratched Glass (standard clear units) Scratches can be removed with jeweller's rouge or equivalent rubbing compound. (Ask your installer for further advice).

Glass Defects

During the manufacturing process all double glazed units can be susceptible to a degree of surface damage, meaning that certain imperfections cannot be avoided, even in the most carefully controlled production environment. Such blemishes are inherent in all double-glazing and acceptable within the highest standards of the industry and are, therefore beyond our control.

We use only the very highest quality glass available, whether laminated, toughened or un-toughened, all of which conforms to the requirements of BS6262. Double glazed units produced to BS5713 and BSEN1279 (mandatory March 07), conform to the highest standards of manufacturing and the most uncompromising quality control and inspection routines.

Tip!

Although sunlight might make it easier to see the dirt, the sun will dry the water on the glass too quickly, creating streaks and lines so, it's best to pick a cool-ish, cloudy day for glass cleaning.



W A R M R O O F

General Cleaning

The exterior of the WARMroof should be washed down every four months with a soap water solution to remove grime and atmospheric deposits. Avoid all solvent bases or abrasive cleaners on the roof and frames.

NEVER USE POWER WASHERS

- Keep fascias and gutters clean with mild soap solution
- Ensure valleys, gutters and box gutters are kept free from debris. The roof is suitable to take the load of person if access is required.
- Hybrid glazing – follow same glazing maintenance procedure as glass cleaning.

V E R A N D A H

- Roof system is the same as Classic Roof so please refer to pages 2-12 for glass cleaning & maintenance.
- In areas within the direct influence zones of salt water, industrial chemical plants, blast furnaces or other aggressive emission sources, the Verandah frame should be cleaned at least every three months. In a relatively cleaner environment every six months should be sufficient.
- It is recommended that the structure is washed down with clean warm water containing a non-alkaline liquid detergent, using a non-abrasive cloth, sponge or soft bristle brush. This will remove grime, grease and any excess chalking. All ridges, grooves, joints and drainage channels where salt or other deposits can collect should be well washed out, thus preventing corrosion sites from occurring. Finally rinse thoroughly with clean water.

O P A L R O O F L I G H T

As with your windows, the frame and glass of your rooflight will pick up dirt externally and attract dust internally so to keep it looking its best you should aim to clean it every **2-3 months**.

How to clean inside & outside:

- Wash down the window and glass (both inside & outside) using clean warm water with a solution of non-alkaline liquid detergent (always follow the product instructions) and a non-abrasive soft cloth, sponge or soft bristle brush.
- Always rinse thoroughly with fresh clean water and wipe off the excess water with a squeegee.
- Dry and polish using a non-abrasive soft cloth.

Please note:

DO NOT USE any type of solvent cleaner, as this may result in damaging the paint surface, sealants or any glass coatings.

