

# Care and Cleaning

## Instructions

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## 1.1 General

This document applies to all Pyroguard UK glass products and care and cleaning procedures must be followed as described below. Failure to comply with these care and cleaning guidelines may result in loss of product warranty.

Under no circumstances should abrasive cleaners, hydrofluoric acid, fluorine compounds or strong alkalis be used on any glass surface.

This advice applies to all Pyroguard's glazing products:

<b>ATTACKGUARD</b>	<b>PYROGUARD MARINE</b>
<b>PYROSTEM</b>	<b>PYROGUARD PROTECT</b>
<b>PYROGUARD ADVANCE</b>	<b>PYROGUARD RAPIDE</b>
<b>PYROGUARD BALUSTRADE</b>	<b>PYROGUARD RAPIDE PLUS</b>
<b>PYROGUARD FIRESAFE</b>	<b>SMOKEGUARD</b>

To maintain aesthetics, it is important to clean the glass during and after construction. Normal practices apply, especially to ensure that the glazing sealant system remains in good condition and watertight. The drain and ventilation holes in external framing systems must also be kept clear.

- Always protect the product from contaminating substances, e.g., mortar, welding sparks, etc. as they will permanently damage the glass surface.
- Do not allow foreign substances to remain on surface of the glass.
- For routine cleaning, use a soft, clean, grit-free cloth, chamois leathers or sponges.
- Use clean warm water with a mild liquid detergent. Proprietary glass cleaners may also be used.
- Do not use detergents that contain either alkaline, acids or fluoride.
- Abrasive cleaning methods i.e., scouring pads, steel wool, and razor blades may only be used for spot cleaning as damage to the surface might result.
- Do not allow any metal or hard parts of the cleaning equipment to contact the glass surface.
- Rinse immediately with clean water and remove any excess water from the glass surface with a squeegee or sponge.

## 1.2 Cleaning on site

When hand cleaning, we recommend the use of standard glass cleaners (except those containing solids in suspension), together with a lint-free towel, either paper or cloth.

Abrasive cleaners should not be used as they can cause bright or dark spots which may only be seen under certain lighting conditions. Using a standard glass cleaner will remove marks made by plastics and acrylics.

For organic deposits which may have been abraded on to the coated surface, use the appropriate solvent.

Any residue marks can be removed from the glass surface either by using standard glass cleaner or by using 'type 000' fine grade steel wool.

## 1.3 For coated glasses

Do not use a razor blade, wire wool or any other metal item to remove stubborn marks. These will leave metal particles on the coating that appear as scratches. Where this occurs inadvertently, these marks may be removed using weak solutions of acids. However, this should be regarded as an extraordinary remedial action, requiring particular advice and taking account of any health and safety issues.

## 1.4 Sandblasted glass surfaces

- Clean the sandblasted side of the glass with a good quality non-streaking window cleaner.
- Spray the glass lightly and then wipe with a clean towel.
- Lint free terry towels are preferred. Paper towels are not recommended.
- Never use any abrasive cleaning materials.
- Concentrate cleaning more in the areas that are blotchy.
- **IMPORTANT** – Continue lightly drying the glass in circular motions until the moisture disappears. This prevents water lines or water stains. Repeated firm rubbing can polish areas of the glass and increase irregular appearance.
- If the above has not restored the original look, use small amount oil cutting product or mild lacquer thinner. Ensure protection of painted surfaces. Rub the cleaning product onto the surface in a circular motion to completely wet the area that needs cleaning. Then clean with a good quality window cleaner, as described above.

## 1.5 For acid etched

When cleaning acid-etched glass, keep a few important rules in mind:

### 1.5.1 Dos

Usually acid-etched glass can be cleaned with plenty of clean water and a soft sponge. Occasionally, a few drops of glass cleaner can be added to the water. Clean the entire surface of the acid-etched glass with water or glass cleaner, even if only a small area is dirty.

After cleaning, the glass should be rinsed with clean water and wiped completely with a soft, lint-free cotton cloth. If stains remain, repeat the process. Use plenty of water to avoid scratching or damaging the glass surface.

Heavily soiled surfaces can be cleaned with a pressure washer at a water temperature of at least 30°C.

Use only commercially available alcohol-based glass cleaners to clean acid-etched glass.

### 1.5.2 Don'ts

Never use harsh cleaning agents such as razor blades, steel wool, abrasive cleaners, etc.

Never spot clean, as this can cause staining.

Never attempt to remove contaminants with a dry and/or dirty cloth, as this can cause scratches on the glass surface by rubbing the contaminants into the glass.

Do not apply excessive pressure during the cleaning process, as this may damage the acid-etched glass surface through excessive polishing.

Never use products containing hydrofluoric acid, fluorine, chlorine, or ammonia derivatives, as these can damage the glass surface.

Never use acidic or alkaline products, as these can abrade the glass surface.



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