

CLEANING INSTRUCTIONS

Product: Solect® Laminated Glass

1. Introduction

The Solect range of high performance, Low E coated laminated glass products are characterised by their outstanding thermal insulation and solar control performance. To achieve these qualities, the interior surface of this product has been applied with an extremely hard, durable metallic coating and as such requires special handling and cleaning procedures.

2. Note for Professional Cleaners

This cleaning information is offered as general advice for the professional cleaners to consider as part of the development of their cleaning methods.

DO

- Protect the glass from knocks, abrasions and excessive pressure
- Follow the cleaning instructions for both the exterior and interior surfaces
- If required to handle the glass do so manually or alternatively use clean, oil free vacuum lifters applying them to the exterior surface only

DO NOT

- Store unglazed product in direct sunlight or unventilated spaced
- Apply masking tape or stickers to the interior surface of the glass
- Use marking pens on the interior surface of the glass
- Use white shoe polish on the interior surface of the glass
- Apply protective films to the interior surface of the glass
- Install glass with damaged edges
- Allow the edges of the glass to sit in areas where water may pool
- Use metal scrapers, blades or steel wool on either surface of the glass
- Allow water or cleaning fluids to remain in contact with the glass, frame, sealants or gaskets
- Allow splashed materials to dry on the glass or its frame
- Use abrasive cleaning solutions or materials
- Lean tools etc against the glass surface
- Subject the glass to extreme changes in temperature

3. Cleaning Instructions - General

Glass products must be properly cleaned during both construction activities and as part of routine maintenance in order to maintain visual and aesthetic clarity. Improper cleaning can permanently damage the surface of glazing products.

Cleaning of the glass should begin at the top of the structure and continue down towards lower levels to minimise the probability of leaving cleaning residues on the lower levels.

4. Cleaning Instructions - Exterior Surface

Glass should only be cleaned when cool to touch and should never be cleaned while in direct sunlight.

The first step in the cleaning procedure is to completely wet the glass with clean water to loosen any residues present. Next spray a recommended cleaning solution (see 5.) onto the glass surface. Immediately remove the cleaning solution with either a squeegee or a lint free cloth. All traces of water and cleaning solution must be removed from the glass, window frames as well as any sealant or gaskets present. Failure to remove any residue may cause these components to deteriorate as a direct consequence of the cleaning process.

5. Recommended Cleaning Solutions

- A solution of 1 part vinegar to 10 parts clean water
- **Clear** Windex® 'Glass and Surface' manufactured by SC Johnson & Son Pty Ltd. (Clear Windex® must only be used not the blue coloured product).

G. James does not recommend the use of abrasive cleaning products.

6. Cleaning Instructions - Interior Surface

As the interior surface of your Solect product contains a fine metallic coating, a different cleaning procedure is necessary. While the recommended cleaning solutions are identical, the procedure requires that the coated face be hand cleaned only - the use of squeegees is not recommended.

Glass should only be cleaned when cool to touch and should never be cleaned while in direct sunlight.

Using a spray bottle, completely wet the glass surface with clean water. Then apply a recommended cleaning solution (see point 5.) to the glass surface by either spraying the cleaning solution onto the glass or by liberally applying the cleaning fluid with a clean cloth (to loosen any minor residues, gently scrub the wet surface with a moistened, clean, lint free cloth). Immediately dry the glass by wiping with a second, dry, lint free cloth. It is important to stop wiping the glass just before the surface begins to dry as this will allow the cleaning solvent to evaporate in a uniform manner, preventing streaking of the glass.

Once again it is important to also remove all traces of the cleaning solution from the frame, gasket or sealants present.

7. Spot Cleaning

From time to time it may be necessary to remove stubborn dirt and other residues such as: oil, grease, tape residues, crayon and the like from the coated, interior surface. Spot cleaning of these residues is a relatively simple procedure. The method is a simple two-cloth procedure where one cloth is used to break up the residues and a second cloth used to remove the residue from the surface.

The basic steps are:

- Apply a small amount of Acetone to a clean, slightly damp cloth
- Rub this cloth onto the affected area
- Use a second lint free cloth to remove the residues from the surface.
- Clean the entire surface as per the Cleaning Instructions – Interior Surface (see point 6) to eliminate streaking.

Note: It is important that the frames, sealants and gaskets are protected during spot cleaning. The spot cleaning solvents can cause irreversible degradation of these components.

8. Recommended Spot Cleaning Solvent

Acetone (acetone is available from most hardware stores. It is important the manufactures safety and handing recommendations are followed when using this product)

Should the spot cleaning not remove the residue. It is possible to apply a mild solution of hydrochloric acid (1% solution is recommended) to a clean cloth or to the tip of a cotton bud. This solution should be gently applied in a circular manner to the affected area, after which time it should be rinsed off with an excess of water. The entire surface should then be re-cleaned as per the general Cleaning Instructions (see above) for the affected surface.

It is extremely important that the manufacturers recommendations be followed while using the hydrochloric acid including the use of appropriate safety equipment.

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