

## CLEANING INSTRUCTIONS

### Product: Solarplus® Coated Glass

#### 1. Introduction

The Solarplus® range of products is a range of high performance, coated glass products and is characterized by their outstanding thermal insulation and solar control performance. The applied coatings are generally more delicate than ordinary glass and as such require a specialised cleaning method.

#### 2. Note for Professional Cleaners

Professional glass cleaners have significant experience in the cleaning of glass and glazing products and as such are acknowledged experts in the field. This cleaning information is offered as general advice for the professional cleaners to consider as part of the development of their cleaning processes.

##### DO

- Protect the glass from knocks, abrasions and excessive pressure
- Glaze the coated surface to the inside
- Handle the glass manually or alternately use clean, oil free vacuum lifters
- Follow the cleaning instructions for both the exterior and interior surfaces

##### DON'T

- Store unglazed product in direct sunlight or unventilated spaced
- Apply masking tape, stickers or protective films to the coated surface
- Use white shoe polish or marking pens on the coated surface
- Allow the edges of the glass to sit in areas where water may pool
- Install glass with damaged edges
- 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 minimize the probability of leaving cleaning residues on the lower levels.

#### **4. Cleaning Instructions - Exterior Surface**

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

Firstly, completely dampen the glass with clean water to loosen any residues. Then apply either by hand or non-abrasive applicator a recommended cleaning solution (see point 5.) to the glass surface. Immediately following the application, remove the 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 and any sealant or gaskets. Failure to remove these residues may result in deterioration of these components as a direct consequence of the cleaning process.

#### **5. Recommended Cleaning Solutions**

- A solution comprising 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 or Coated Face**

The interior face of the Solarplus® range of products is the coated face and as such requires a more specialized cleaning procedure than the exterior face. 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.

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

Firstly, dampen the glass surface with clean water, then apply a recommended cleaning solution (see 5.) to the glass surface by either spraying the cleaning solution onto the glass or by liberally applying it to a clean cloth (to loosen any minor residues the wet surface can be gently scrubbed with a moistened, clean, lint free cloth). Immediately dry the glass by wiping it with a second dry lint free cloth. To prevent streaking, stop wiping just before the surface begins to dry as this will allow the cleaning solvent to evaporate in a uniform manner.

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 surface. Spot cleaning of these residues is 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 is used to remove the residue from the surface.

The basic steps are:

- Applying 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 general cleaning procedure for the internal face 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)

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