

## Care & Maintenance

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The effects of ultra violet light, pollution, dirt, grime and salt deposits can all accumulate on your powder coated surface over time. To extend the effective life of powder coatings and protect any warranty requirements that may exist, a very simple regular maintenance program should be implemented for the removal of any residues.

As a general rule, cleaning should take place every six months. However, in areas where pollutants are more prevalent, especially in coastal or industrial regions, a cleaning program should be carried out on a more frequent basis (i.e. every three months).

To clean your powder coated surface:

1. Carefully remove any loose deposits with a wet sponge.
2. Use a soft brush (non abrasive) or cloth, and a mild household detergent solution to remove dust, salt and other deposits.
3. Rinse off with clean fresh water.

For powder coatings that offer a minimum of 10 year colour warranty, please refer to the International Standards AAMA 610.1 for care and maintenance requirements.

Detergents that recommend the use of gloves when handling should be avoided as this is a good indication that the detergent is harsh and, therefore, unsuitable for cleaning your powder coating.

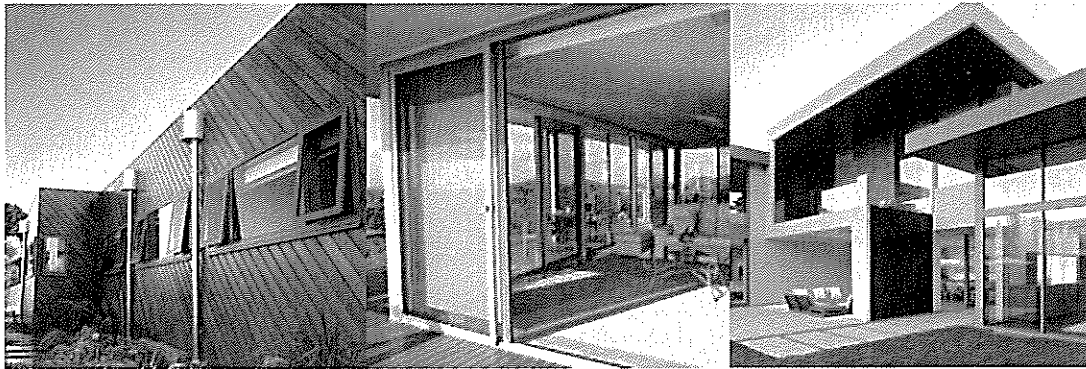
Although some strong solvents are recommended for removing sealants or other building residues, these may be harmful to the extended life of the powder coated surface and should also be avoided as the damage may not be visible immediately and may take up to twelve months to appear. If paint splashes, sealants or other residue need to be removed, then either Methylated Spirits, Turpentine, or White Spirits may be used safely.

Download our Care & Maintenance information sheet:

**Care & Maintenance**



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## Making it last

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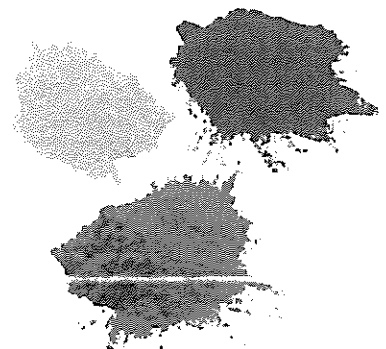
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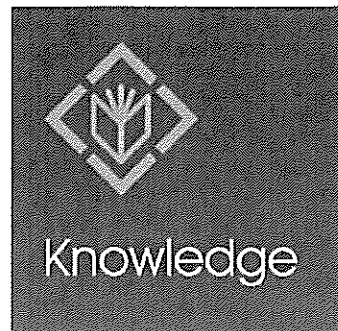
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For advice on how to repair your powder coating, contact Dulux Powder Coatings on 13 24 99.





## **PRODUCT BRIEFING - VIRIDIAN COMFORTPLUS™**

Issued 22/12/2008 v2

### **Selection guide**

Viridian **ComfortPlus™** is a high performance residential glass solution that can be used to maximise your home's glazing potential, economically managing both the heat of summer and cold of winter.

### **Applications**

Where solar control and insulation are required in a single glass, Viridian **ComfortPlus™** provides excellent daylight transmission and low reflectivity for houses and apartments.

### **Considerations**

Viridian **ComfortPlus™** is a 6.38mm laminated safety glass incorporating solar control and enhanced insulation through its exclusive coating. The coating is applied during the glass manufacturing process which is permanently 'bonded' to the glass surface and is extremely hard and durable. However, its appearance and surface are not the same as standard glass. It requires different cleaning and should be protected during construction from contamination. A degree of haze and coating colour can be observed under certain lighting conditions and samples should be viewed to ascertain the suitability of Viridian **ComfortPlus™** for the application under consideration. This review should include consultation with your building designer / energy adviser to ensure that the properties of the glass match the requirements of the design concept and building standards.

Where colour consistency is important, only use one thickness. For large projects, please consult with Viridian. Viridian **ComfortPlus™** is not designed to prevent surface condensation and its insulating capacity is reduced should this occur. Viridian **ThermoTech™** and Viridian **ThermoTech™ with LowE** insulated glass units, are recommended in these situations.

As Viridian **ComfortPlus™** is a solar control glass, a thermal assessment may be necessary where shading of the glass may occur. This issue should be discussed with your design professional or window fabricator.

### **Performance comparison chart**

Product	Daylight	Solar	Insulation
Standard Glass	89	0.86	5.9
ComfortPlus Clear	82	0.68	3.6
ComfortPlus Neutral	59	0.51	3.6
ComfortPlus Green	71	0.5	3.6
ComfortPlus Grey	40	0.5	3.6
Thermotech (IGU)	80	0.76	2.7

Standard Glass is 3mm VFloat™ clear.

ComfortPlus™ is a 6.38mm thickness.

ThermoTech™ Unit is a 3mm VFloat™ clear / 12mm air / 3mm VFloat™ clear make-up.

Daylight – is the product's visible light transmission as a percentage.

Solar – is the solar heat gain coefficient (SHGC). The lower the number, the better the performance.

Insulation – is the product's U Value. The lower the number, the better the performance.

Typical measured values of Viridian production are provided.

All performance data is calculated using LBL window 5.2 software, NFRC 100-2001 conditions have been used.

Performance data is centre of glass values.

\*Please note Viridian **ComfortPlus™** Clear 82 is designed to promote passive solar heat gain, refer to [viridianglass.com](http://viridianglass.com) for more information.

## Care guide

Viridian **ComfortPlus™** has a very thin coating on the interior glass surface which cleans differently to ordinary glass. The following guidelines are recommended for the best hand cleaning results.

### General cleaning

Hand cleaning of the coated (interior) surface of Viridian **ComfortPlus™** to visibly remove accumulated dust or fingerprints can be accomplished using a number of different glass cleaning products. The exterior surface of the glass is not coated so can be cleaned in the same fashion as ordinary glass.

### Recommended general cleaning products

- Windex® Glass & Surface (clear liquid, not blue, available from supermarkets), produced by S.C. Johnson & Son.
- A mixture of one part vinegar with ten parts clean water.
- In addition to the above products, commercially available vinegar-based glass cleaners have generally demonstrated an ability to provide a clean, streak-free glass surface.
- Viridian does not recommend the use of ammonia-base and alcohol-base glass cleaners because these products tend to leave visible streaks.

### General cleaning procedure

- Flood the glass surface with the spray-on cleaning solution or with a cloth saturated with the cleaning solution. Be generous with the amount of solution applied.
- Scrub the wetted surface with a clean, lint free towel or cloth.
- Wipe dry with a dry, clean, lint free towel or cloth. Do not use a squeegee on the Viridian **ComfortPlus™** coated (interior) surface.
- To prevent streaking, stop wiping when the glass is almost dry and there is a uniform film of moisture left on the glass surface.

### Spot cleaning

Occasionally spot cleaning may be required to remove stubborn dirt or foreign materials which adhere to the Viridian **ComfortPlus™** surface. Spot cleaning products work to remove markings from grease, oil, tape adhesive and crayons or other waxy materials as well as paint and rub-off marks from plastics.

### Recommended spot cleaning products

- Acetone (available from hardware stores)

### Spot cleaning procedure

- Apply a small quantity of the cleaner listed above to a clean, wet cloth or towel.
- Rub on areas of glass needing spot cleaning.
- Wipe clean using a dry, clean, lint free towel or cloth followed by a general cleaning procedure.

### Specialised cleaning

Do not use razor blades, steel wool or other metallic objects on the Viridian **ComfortPlus™** coated surface. If metallic objects contact the coated surface, a thin layer of metal removed from the object may be deposited onto the Viridian **ComfortPlus™** surface. This results in a discoloured stain, which is difficult to remove using normal cleaning procedures.

### Recommended specialised cleaning products

- Hydrochloric acid (available from hardware stores).

### Specialised cleaning procedure

- Carefully follow the chemical manufacturer's safety instructions.

- Apply a small quantity of the specialised cleaning product listed above to a wet, clean cloth or towel. A cotton bud may be used for thin line type marks.
- Rub on areas of glass needing cleaning.
- Wipe clean using a dry, clean, lint free towel or cloth followed by a general cleaning procedure.
- Ensure that the cleaner does not come into contact with framing materials.

**Further information**

Please visit [viridianglass.com](http://viridianglass.com) or freecall 1800 810 403

For Viridian disclaimer and warranty details please visit our website [viridianglass.com](http://viridianglass.com)

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Windex® is a registered trademark of S.C. Johnson & Son Inc., USA

## **Advice for the Hand Cleaning of Viridian EVantage™**

Viridian **EVantage™** glass has a very thin coating on the interior glass surface. It is this hard and durable coating which gives Viridian **EVantage™** glass improved thermal insulation and solar control performance compared to ordinary clear glass. The coated surface of Viridian **EVantage™** glass does clean differently to ordinary glass and these guidelines are recommended for the most appropriate hand cleaning results.

### **Routine Cleaning:**

Hand cleaning of the coated surface of Viridian **EVantage™** can be accomplished using non abrasive, ordinary glass cleaning solutions

#### ***Recommended Routine Cleaning Products:***

- Mild Detergent and Water.

#### ***Routine Cleaning Procedure:***

- While cleaning ensure jewellery and watches are removed and gloves should be worn.
- Uniformly apply the solution to the glass and wash with a clean, soft cloth, sponge or pad.
- Rinse thoroughly with clean water.
- Wipe or squeegee dry immediately.
- Make sure no metal parts of the cleaning equipment touch the reflective surface and that no abrasive particles are trapped between the glass and the cleaning materials.

### **Spot Cleaning:**

Occasionally spot cleaning may be required to remove stubborn dirt or foreign materials which adhere to the Viridian **EVantage™** surface. Spot cleaning products work to remove markings from grease, oil, tape adhesive, and crayons or other waxy materials as well as paint and rub-off marks from plastics.

#### ***Recommended Spot Cleaning Products:***

- Acetone (solvent available from hardware store) and must be used strictly in accordance with manufacturer's recommendations and warnings.

### ***Spot Cleaning Procedure:***

- Apply a small quantity of the cleaner listed above to a clean, wet cloth or towel.
- Rub on areas of glass needing spot cleaning.
- Wipe clean using a dry, clean, lint free towel or cloth followed by a routine cleaning procedure.

### **Specialised Cleaning:**

Do not use razor blades, steel wool, scouring bristles or other metallic or abrasive objects on the Viridian **EVantage™** coated surface. While cleaning ensure jewellery and watches are removed and gloves should be worn. If metallic objects contact the coated surface, a thin layer of metal removed from the object may be deposited onto the Viridian **EVantage™** surface which results in a discoloured stain which is difficult to remove using normal cleaning procedures.

### ***Recommended Specialised Cleaning Products:***

- Hydrochloric Acid (available from hardware store).

### ***Specialised Cleaning Procedure:***

- While cleaning ensure jewellery and watches are removed and gloves should be worn.
- Carefully follow the chemical manufacturers use and safety instructions. If there are none, pick a brand that has instructions and safety precautions or contact the manufacturer before use or application.
- Apply a small quantity of the specialised cleaning product listed above to a wet, clean cloth or towel. A cotton bud may be used for thin line type marks.
- Rub on areas of glass needing cleaning.
- Wipe clean using a dry, clean, lint free towel or cloth followed by a routine cleaning procedure.
- Ensure that the cleaner does not come into contact with framing materials.

### **About This Cleaning Advice:**

This information is offered as a general guide only and specific advice should



always be sought from a reputable glazier or professional window cleaner before undertaking any cleaning. This guidance does not preclude the use of other methods, materials or equipment, however the user should undertake careful evaluation and make suitable enquiries of the suitability of alternative methods, materials or equipment, before using them.

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