

# attention

## Owner, Builder and Cleaner

### The Hand Cleaning of Low 'E' Glass

**Low 'E' glass** is an energy efficient product that has a very thin coating applied to one surface during its manufacture. This hard, durable coating provides the improved control of thermal insulation over ordinary float glass. The coated surface, always glazed to the inside of the building requires special cleaning procedures.

The following recommended guidelines provide the best results when cleaning the coated surface. Any preferred cleaning method for float glass is acceptable for the external uncoated surface.

#### WARNINGS



- DO NOT use abrasive, powder-based, ammonia-based, or alcohol-based cleaning fluids.
- DO NOT use cleaners that contain Hydrofluoric Acid or Phosphoric Acid.
- DO NOT clean glass when it is hot or in direct sunlight.
- DO NOT allow cleaning fluid to contact the edges of any laminated glass.
- DO NOT use squeegees, razor blades, scrapers, scourers, and metal or abrasive products.
- DO NOT use hot water on cold glass or cold water on hot glass.



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## Routine Hand Cleaning

This procedure should be followed as required to remove accumulated dust and fingerprints.

### Recommended Cleaning Products

- Clean water.
- Clean warm soapy water.
- Solution of one part of vinegar to ten parts clean water.
- Commercially available vinegar based cleaners.
- Clean, lint-free soft towelling or cloth.

### Recommended Hand Cleaning Procedure

- Flush with copious amounts of clean water to remove dirt and particles.
- Spray with soapy water (and/or the vinegar solution for difficult marks).
- Remove all traces of the cleaner by rinsing with water.
- Remove the excess water with a cloth.
- Repeat this process as necessary.

## Spot Cleaning

Used to clean stubborn dirt and foreign materials from the coated surface. Use spot cleaners to remove grease, oil, adhesive, tape residue, crayons, paint, waxy materials and plastic rub-marks.

### Recommended Spot Cleaning Products

- Acetone.
- Clean, lint-free soft towelling or cloth.

### Recommended Spot Cleaning Procedure

- Observe all of the chemical manufacturer's handling and safety instructions.
- Soak the cloth in water and apply a small amount of the cleaner to it.
- Rub gently on area needing spot cleaning.
- Wipe clean using a dry cloth.
- Follow with the recommended Hand Cleaning Procedure.

**Do not allow the cleaner to make contact with any framing materials.**



## Specialised Cleaning

Procedure followed to remove deposits left on the glass by a metallic object when it has rubbed against the coated surface. These are difficult to remove using the previously listed methods.

### Recommended Specialised Cleaning Products

- Solution of 1% Hydrochloric Acid and 99% clean water.
- Clean, lint-free soft towel or cloth.

### Recommended Specialised Cleaning Procedure

- Observe all of the chemical manufacturer's handling and safety instructions.
- Soak the cloth in warm water and apply a small amount of the cleaner to it.
- Use a cotton bud instead for thin line marks.
- Rub on the area needing specialised cleaning.
- Wipe clean using a dry cloth.
- Follow with the Recommended Hand Cleaning Procedure.

**Do not allow the cleaner to make contact with any framing materials.**

### DISCLAIMER

This brochure, issued as a general guide only does not preclude the use of other methods, materials or equipment. However, the user should undertake careful evaluation and fully investigate the suitability of any alternative methods, materials, or equipment before using them. Specific advice or a more explicit cleaning instruction should be obtained from a reputable glazier, a professional window cleaner or the glass manufacture. Bradnam's Windows and Doors Pty Ltd disclaims liability from any loss or damage suffered from the provision or use of this information.

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