

TECHNICAL SALES BULLETIN 016

19th December, 2017

GLASS CLEANING & MAINTENANCE GUIDE

Glass, by its very nature, is durable, tough and easy to maintain. By following the guidelines in this document, you can ensure that it will maintain its brilliant lustre for many years.

1) Precautions & Warnings:

- DO NOT use abrasive cleaning solutions
- DO NOT use cleaners having a high acid or alkali content.
- DO NOT clean glass when it is in direct sunlight.
- DO NOT use high-pressure washers or garden hoses to clean doors and windows.
- DO NOT allow cleaning fluid to dry on the glass or surrounding surfaces.
- DO NOT use razor blades, scourers, metal or abrasive products.
- DO NOT use hot water on cold glass, or cold water on hot glass.

2) Normal Routine Hand Cleaning :

For normal routine cleaning, the glass should be washed with warm water (approx. 32 deg C) containing a highly diluted mild household detergent (e.g. 2ml dishwashing liquid per 1 litre water), immediately followed by a thorough clean water rinse. A squeegee should then be used to remove the water from the glass, thus preventing water stain. Do not clean glass with a dry or dirty cloth, or when its surface is dry.

3) Cleaning Frequency :

How often the glass needs to be cleaned depends on the environmental conditions and pollution levels. Glass requires more frequent cleaning in dirty, industrial areas, near the sea, and when it is not exposed to much rain. Glass should be cleaned at least every 4 weeks to prevent excessive dirt accumulation.

4) Special 'Spot' Cleaning :

a. Allowable Chemicals:

Where spots of stubborn dirt and foreign matter, such as crayon, paint, adhesive & oil, cannot be removed by normal hand cleaning, the following chemicals may be applied to the spot with a clean lint-free cloth :-

- Acetone
- Isopropyl Alcohol
- Mineral Turpentine
- Benzine
- Clear Vinegar Solution (1 part vinegar to 3 parts water)

b. Recommended Spot Cleaning Procedure:

- Observe all of the chemical manufacturers directions regarding safety and handling.
- Using a clean lint-free cloth, apply a small amount of the cleaner to 'wet' the cloth.
- Rub the spot gently in a circular motion, applying more chemical to the cloth if required.
- Do not allow the chemical to come into contact with the surrounding frame, paintwork, etc, as these might be damaged or marked.
- Rinse thoroughly, and immediately follow with the normal routine cleaning procedure detailed in 1) above.
- For stubborn spots not removed by this cleaning procedure, please contact the glass manufacturer for more specialised assistance.

5) Special Instructions For Low E Glass With Exposed Pyrolitic Coatings :

Cleaning of pyrolitic Low E glass products pose no particular concerns, and normal glass cleaning practices can be adopted.

Pyrolitic Low E coated glass products, such as Solar E, Eclipse Advantage & Pilkington K amongst others, have a metal oxide coating applied to one of its surfaces during the manufacturing process. This pyrolitic coating is applied at a temperature of approximately 1450 deg C, and 'fuses' onto the glass surface. Pyrolitic Low E products can be installed as single glazing, with the Low E coating exposed to the interior of the building.

Although the pyrolitic coating is durable, abrasion & chemical resistant, please bear in mind that you are washing a very thin transparent metal surface, and as such, care must be exercised to avoid contact with oils, metals & mechanical abrasion (scratching).

Please contact us for any problematic stains or marks not removed by the above-mentioned cleaning methods.

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