

NATIONAL GLASS
DISTRIBUTION

Low E Glass Cleaning Guidelines

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Cleaning Guidelines For Low E Hard Coated Glass

Low E Glass is an energy efficient product which has a very thin coating applied to one surface during manufacture.

National Glass Distribution supplies “hard coated” Low E glass, (Pyrolytic coated).

The coating is chemically bonded to the glass surface while it is still in a semi-molten state, which reacts to form a hard, durable coating. The coating provides improved control of thermal insulation over ordinary float glass.

The coated surface is always glazed to the inside of the building (except in IG Units where it is on the inner pane, facing outside), and requires a different cleaning procedure to float glass.

These recommended guidelines provide the best results when cleaning the coated surface.

Don't

- Use abrasive powder, ammonia or alcohol based solutions
- Use cleaners containing harsh acid or alkali
- Use hot water on cold glass, or cold water on hot glass
- Use power washers or garden hoses to clean glass
- Clean glass when it is hot, or in direct sunlight
- Allow solutions to contact the edges of laminated glass
- Allow cleaning fluid to dry on glass or surrounding surfaces
- Use squeegees, razor blades, scrapers, or scourers



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Routine Hand Cleaning

Follow steps to remove accumulated dust and fingerprints.

Recommended Cleaning Products:

- Clean lukewarm lightly soapy water or
- Vinegar/water solution, mixed 1:10, or
- Commercially available vinegar based cleaners or
- Commercial, domestic glass cleaners, and
- Clean lint-free soft cloth

Recommended Cleaning Procedure:

- ✔ Start at top of window or door working down
- ✔ Flush generously with clean water to remove dirt
- ✔ Use soapy water, or vinegar solution for stubborn marks
- ✔ Remove cleaning solution by rinsing with clean water
- ✔ Remove excess water with a clean cloth
- ✔ The thin film of moisture will quickly evaporate, ensuring a streak-free surface
- ✔ Repeat process if necessary
- ✘ Do not dry completely
- ✘ Do not wipe with a dry cloth
- ✘ Do not wipe when surface is dry

Spot Cleaning

Follow steps to remove areas of stubborn dirt.

Examples : grease, oil, paint, tape adhesive and crayons.

Recommended Cleaning Products:

- Acetone or
- Denatured alcohol or
- Clean lint-free soft cloth

Recommended Cleaning Procedure:

- ✔ Observe all instructions of the chemical manufacturer
- ✔ Apply small amount of cleaner to a clean, wet cloth
- ✔ Gently rub the area requiring spot cleaning.
- ✔ Wipe clean with a wet cloth
- ✔ Follow with 'Hand Cleaning Procedure'
- ✘ Do not wipe with a dry cloth
- ✘ Do not wipe when surface is dry
- ✘ Don't allow the cleaner to come in contact with surrounding frame, surfaces or paintwork may be damaged by these solvents

Specialised Cleaning

Low E coating can attract metal deposits to the coated surface. This may appear as a "stain" or "scratch".

Recommended Cleaning Products:

- Hydrochloric acid water solution, mixed 1:10, and
- Clean lint-free soft cloth

Recommended Cleaning Procedure:

- ✔ Observe all instructions of the chemical manufacturer
- ✔ Wear gloves/eyewear and take extreme care not to spill
- ✔ Diluted solutions may be corrosive to organic matter
- ✔ Always add acid to water and not vice versa
- ✔ Adding water to acid will react violently
- ✔ First pour water in container
- ✔ Then add acid carefully as indicated
- ✔ Apply/spray a decent amount of routine hand cleaning product on the glass surface and leave for a few minutes.
- ✔ Apply a second application of the specialized cleaning product to the affected area and wipe off.
- ✔ Apply a small amount of the solution to a clean wet cloth
- ✔ Gently rub the area requiring spot cleaning.
- ✔ Wipe clean with a wet cloth
- ✔ Follow with routine hand cleaning process.
- ✘ Do not wipe with a dry cloth
- ✘ Do not wipe when surface is dry
- ✘ Don't allow the cleaner to come in contact with surrounding frame, surfaces or paintwork may be damaged by these solvents



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