

# Guardian Clarity™

Anti-reflective glass in architectural applications



## Introduction

Guardian Clarity™ glass is a high quality anti-reflective coated glass product (single-side and double-side coated) that provides minimal reflectance and maximum transmission in the visible range. The magnetron sputtered coating has chemical and mechanical durability characteristics that make it suitable for use in a range of exposed and protected surface applications. However, improper cleaning could negatively affect the coating's optical properties and will void the product's warranty. Please follow the guidelines outlined below when cleaning Guardian Clarity anti-reflective coated glass.

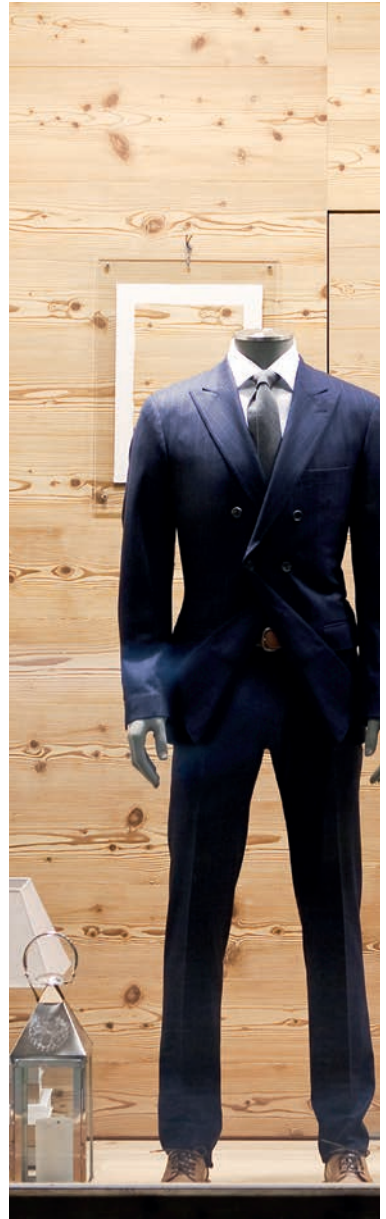
## Maintenance and cleaning

It is recommended that all responsible personnel be trained in the proper cleaning and maintenance procedures of the Guardian Clarity glass. Improper cleaning could negatively affect the AR optical properties and could void the product's warranty.

Although environmental conditions vary, regular cleaning of the glass is recommended in order to maintain the anti-reflective effect.

Cleaning cloths and water should be changed frequently to avoid contamination and streaking of the coated surface.

Cleaning cloths should contain a liberal amount of detergent and be applied with low pressure on the coated surface. (Refer to the recommended list of cleaning detergents.) Use a soft, lint-free cloth for proper drying.



## General cleaning guidelines

- **Use mild**, fast-drying household spray glass cleaning solutions with ammonia and water. Ammonia concentration not to exceed 1.5% of weight.
- **Use** a lint-free paper cloth that is non abrasive or a soft cotton cloth without seams, buttons, plastic or metal parts. The use of microfiber cloths on the long term is not recommended.
- **Pre-moisten** glass surface with water or cleaning solution to loosen dried dirt and debris before attempting to wipe it away – never scrape with a metal blade or tool.
- **Never** use abrasive household detergents as cleaning agents such as Ajax®, Comet®, rouge, cerium oxide, and hydrofluoric and phosphoric acids.
- **Never** attempt to remove debris/ dirt from the glass by using a scraper or razor blade or any sharp tool which may scratch the coating or glass.
- **Never** allow water or cleaning solution residue to dry on the glass. Long-term exposure to acidic or basic cleaners may cause damage to the coated surface.
- **Never** trap abrasive particles between the cloth and the glass surface while wiping away the cleaning solution.

Guardian recommends special glass cleaners like Flux glass cleaner, or Kleen Ultra Glass cleaner for professional cleaning of the Clarity surface.

Various stick-on advertisement labels or paints are not allowed to use on the surface. These will void the product's warranty.

### Important:

Due to the high transparency of Clarity, proper precaution should be taken to indicate the presence of the glass in such applications wherein accidental impact may result.

The products in this publication are sold subject to Guardian's standard terms and conditions of sale and any applicable written warranties. It is the responsibility of the purchaser to confirm that the products are suitable for their intended application in compliance with the applicable laws and regulations. Please contact your local Guardian representative to obtain any applicable handling and fabrication guides and for the most current product information.

Cover picture: Frank Weber



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