GENERAL CHEMICAL CORP.

Windocoat 4089

Premium Protective Coating for Glass

TYPICAL PROPERTIES

- Appearance: White liquid, cures clear
- Odor: Mild
- pH: 9-10.0

Description

Windocoat 4089 is a water based, ambient cured, elastomeric, removable (strippable) protective polymer coating formulated to protect windows and glass surfaces from corrosion, chemicals, scratches, abrasion, and atmospheric elements (all seasons). It is designed to provide temporary protection of glass and window frames or doors during construction from bricklayers, painters, cleaners and anyone else that comes into contact with windows. Windocoat 4089 contains a corrosion inhibitor for bare/machined metal surfaces. Windocoat 4089 adheres well to clean surfaces and cures into a tackfree, very “tough”, durable coating. Simply peel off the coating when the asset is ready for use or inspection. The minimum film formation temperature is 40*F but higher temperature helps cure and deliver robust film characteristics.

Recommended Application

1. **Clean substrate to remove contaminants and debris. Let dry.**
   Mask off the substrate to cover all areas not to receive the coating and adjacent areas from spills or splatters.
2. **Stir well before use with a stir stick.**
   Do not thin product. Use as received.
3. **Apply the first coat with brush or roller.**
   Target wet film thickness is 13+ mils per coat x two coats. Be sure the entire target surface is coated, including over the edges. Wait until you see the white appearance transition to mostly translucent (usually a minimum of 30 - 45 minutes depending on temperature and humidity) then apply the second coat of 13+ mils wet film thickness.
4. **Apply second coat.**
   The two coats will cure down to the target dry film thickness of ~12+ mils. Remove any masking tape while the coating is still wet.
5. **Peel to remove**

Benefits

- Excellent outdoor durability
- Excellent water resistance
- Strong and elastic film
- Leaves no residue
- Easy release from variety of substrates
- Cost effective alternative to plastic sheeting

Health & Safety

Handle in accordance with good industry hygiene and safety practices to minimize spill and water
contamination. Please refer to SDS for complete health and safety information.

Storage

Keep the containers tightly closed. Store in a cool – absolutely frost-free, dry place.

Surfaces

− Metal - machined, bare, painted, blasted, welded, bolted connections.
− Finely finished substrates.
− Most plastics (not polycarbonate, we have another formulation for polycarbonate).
− Fiberglass
− Glass.
− Ceramic.

Patch Test

Because it is difficult to determine the type of substrate of the window frame, such as type of acrylic, perform a small test first. This will determine effectiveness, coverage, and the approximate amount of time required for it to work.

Comparable Products

Windocoat 4089 is higher viscosity compared to Windocoat 4880. The higher viscosity allows for reduced vertical sag. Windocoat 4089 also includes a rust prevention additive, allowing the coating to be used on bare metal, unlike Windocoat 4880.

Application

If applying by brush, make sure to work it firmly onto the substrate surface. 12 mils is the minimum DFT needed for optimal protection and in order to remove the cured film in one piece. Be sure to maintain the recommended thickness across the entire surface area of the asset being coated. Ensuring an even application will help protect all areas of the substrate and help the product peel off easily and uniformly when cured. Commercial airless sprayer may also be used to apply coating.

Tack Free Drying time

Windocoat 4089 is a water based formulation so the warmer and drier the environment, the faster the cure. Humidity will effect dry times.

Coverage

1 gallon of Windocoat 4089 will cover approximately 55 sq. feet when applied to 10 mils DFT.

Removal

Windocoat 4089 should be removed within 12 months of application. It can be removed by peeling. Windocoat 4089 is disposed like paint films and other solid materials.

Clean Down

Wipe excess material off of tools with a cloth rag or paper towel. Tools may then be cleaned with soap and water – do not use solvents. Absorb small spills with inert material and dispose of according to local regulations. Rinse spill area with water. Alternatively, let it cure and peel off. Dispose of dried coating in accordance with local regulations for non-hazardous solid waste.

12336 Emerson Dr. | Brighton, MI 48116 | 248-587-5600
Fax: 248-587-5606 | www.gccdatasheets.com