

Invisible Shield® PRO 15 Glass Coating CRLPR01532

Product Name

CRLPR01532 Glass Coating

A durable polysiloxane coating that protects glass from wear and environmental damage.

Product Description

Invisible Shield® PRO 15 Nanoscale Glass Coating is a professional-grade, high performance, poly-siloxane, hydrophobic coating that durably seals and protects interior and exterior glass against wear, corrosion and degradation from environmental exposure.

Features/Benefits

- Repels Water, Soil, Rust, Acid Rain, Minerals and Pollutants
- Prevents Excess Soiling, Staining & Corrosion
- Prevents Scratches up to 92.9%*
- Makes Cleaning Faster, Easier and More Efficient
- Improves Glass Appearance and Clarity
- Saves Work, Repairs & Replacements
- Eliminates the Need for Chemicals and Abrasives (Green Cleaning Alternative- Use Water Only)
- UV & Abrasion Resistant
- NANOVEA - ASTM G99, D7027, D7187 Standards
- 92.9% More Resistant to Scratch Penetration
- 54.2% More Resistant to Wear/Stress from debris

Directions For Use

Glass Assessment: Glass must be thoroughly clean and dry prior to application of Invisible Shield® PRO 15.

For semi-manual application:

- Thoroughly saturate a cotton or microfiber applicator with Invisible Shield® PRO 15 and apply onto the glass using a firm and overlapping motion, or spray the product directly onto the glass using an air or airless fine mist sprayer. Wipe/polish the product directly onto the glass using a firm and overlapping motion.
- Allow the product to dry for several minutes until the solvent has completely evaporated. Re-apply the coating to ensure complete coverage and optimum protection. Allow to dry until a slight haze has formed.
- Remove any excess haze by rinsing the glass with clean water and polish dry with a cotton or microfiber applicator or squeegee until crystal clear.

Automatic Application

Invisible Shield® PRO 15 Vertical Two-Sided Glass Coating Machine and Microburst 2000 Horizontal Single-Sided Coating Machine – both include UV & IR Curing Technology.

General Precaution

Flammable liquid. No smoking. Avoid contact with eyes. If splashed into eyes, flush with water for 15 minutes. If irritation develops, see physician.

Environmental Conditions

DO NOT clean or treat glass in hot, direct sunlight or if the surface temperature is in excess of 90°F or 32°C. DO NOT apply the coating on wet, rainy days or when the humidity is above 90% as it will slow the evaporation process and inhibit bonding of the coating.

Surfaces

Applicable for all types of glass: Windows, facades, partitions, doors, skylights, atriums, glass block, shower glass, mirrors, windshields and photovoltaic panels.

Function

Protects and preserves against soiling, staining, pitting and scratches for easier & less costly maintenance, reduced repairs, enhanced appearance and longer life.

CSI Ref- Architectural Specification

Division 088000 - BSD Glazing & 088723.10 - Protective Glass Coatings

Coverage Rates

Surface Coverage: Surface Coverage: Average 4,000 ft²/Gallon It requires no shaking, stirring and should not be diluted. It should be used in a manner which ensures complete coverage. Applied by conventional spraying, wiping and/or polishing techniques, it affords remarkable glass protection and coverage – in excess of 1,000 ft²/Quart or 4,000 ft²/Gallon. Coverage will vary slightly in accordance with the type and condition of the glass to be treated and the method of application.

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Physical Properties

PROPERTY/TEST METHODS	VALUE
Active Ingredient	Dimethyl Polysiloxanes + Proprietary Blended Additives Solvent specially denatured ethanol/isopropanol - proprietary formula (RTU)
Flash Point	19°C = 66°F (TAG Open Cup)
Odor	Mild (Ethyl Alcohol)
Color	Clear, Colorless liquid
Acid Number	About 1
Viscosity	Consistency of alcohol
Specific Gravity	0.802
Abrasives	None
Storage Stability	Minimum 5 years
Shelf Life	Indefinite in Closed Containers
Weight per Gallon	7.7 lbs.
Dry Time	Minutes depending upon temperature for solvent evaporation
Available	32 fl. oz.

Contact Angle Test

PROPERTY/TEST METHODS	VALUE
Kruss DSA-20. ASU Biodesign Institute Average	108.3°
Biodetek Laboratory	Kruss Easy Drop. 107.2°
Sealant Test	Dowsil™ DOW HIGH PERFORMANCE BUILDING
Adhesion Test, ASTM C794	Adhesion in peel of elastomeric joint sealants.
Approved Leading Dowsil Sealants	791 black, 983SGS black, 795 black

Limited Warranty Procedures/Information

Invisible Shield® PRO warranty 15 for up to 15 years from the date of application on interior and exterior glass applications. When applied and maintained as directed, the product will protect against visible corrosion on the protected glass surface.

The product warranty does not extend to or cover misapplication or mis-use of the product, including the use of abrasive or harsh cleaners or applications tools, excessive soiling from lack of proper cleaning or neglect; wear and tear of the surfaces resulting from prior damage and exposure to extreme weathering and abrasion.

Maintenance

REPEL® Window Wash and REPEL® Glass & Surface Care are compatible with the Invisible Shield® PRO 15 polysiloxane glass coatings. The REPEL® barrier coating is rejuvenated with each use to maintain peak performance. REPEL® Window Wash is well suited for large glass surfaces. Easily diluted with water at a 1:32 dilution. Simply add 1 part concentrate to 32 parts water with minimal shaking or agitation. As with any anti-corrosive product or solution, the glass should be cleaned periodically on a semiannual or quarterly basis commensurate with exposure.