ThinTech Coatings

ADVANCED COATING TECHNOLOGY

SAFETY DATA SHEET

HYDROPHOBIC GLASS COATING

Product

ThinTech Hydrophobic Glass Coating delivers an invisible, durable coating that imparts water-repellent, antistatic, and residue-release properties. During testing, the coefficient of friction was reduced to less than 0.1, significantly simplifying the process of wiping and polishing surfaces. Additionally, ThinTech Hydrophobic Glass Coating enhances the scratch resistance of glass by a factor of five to ten.

Applications / Surfaces

ThinTech Hydrophobic Glass Coating is a versatile solution ideal for use on commercial glass exterior, glass, bowls, floors, pools, and vehicles. It is safe for application on glass, ceramics, stainless steel, acrylics, painted surfaces, polystyrene, ABS, and polycarbonate.

- Durable scratch-resistant coating
- Water repellent
- Antistatic
- Improves visibility and self cleaning of glass

Note: Avoid using on polished limestone/marble as it may dull the finish.

Characteristics

- **Appearance:** Colorless to pale yellow
- **Finish:** Clear
- **Odor:** Mild
- **Base Type:** Water-based
- **Flash Point:** N/A
- **VOC:** 0 g/l
- **Weight per Gallon:** 8 lb/gallon

Coverage

Provides coverage of 800-1000 sq. ft. per gallon, varying with the porosity and texture of the substrate.

Expected Wear

Lasts 6 months to 2 years under normal conditions. Reapply as needed.

Surface Preparation

Ensure the surface is clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, and other foreign materials. Rinse with water. Once dry, perform a final clean with alcohol or suitable window cleaner that (does not leave residue behind) using a lint-free microfiber cloth to ensure the surface is perfectly clean and ready for the coating. Use painter's tape to mask off adjacent areas to prevent unintended coating.

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Application Instructions

Test Area

Always test ThinTech Hydrophobic Glass Coating in an inconspicuous location to ensure performance and compatibility with the surface.

Application

1. Ensure the surface is properly prepared, clean, and dry.
2. If applying outdoors, ensure the temperature is between 45°F and 105°F, with 90% relative humidity or less.
3. Shake the container for several minutes to re-suspend settled nanoparticles.
4. Re-shake every 15-20 minutes during application to maintain performance.
5. Use a lint-free microfiber cloth or buffer for application. Pour, Buff or pump spray coating onto the cloth to saturate it without dripping.
6. Apply a thin coat in a crisscross pattern (horizontal and vertical) to ensure complete coverage.
7. Let dry for 2-5 minutes (temperature-dependent), then buff any slight hazing with a clean lint-free microfiber cloth.

Drying Time

- **Touch:** 3-5 Minutes
- **Through:** 30 - 60 Minutes
- **Full Cure:** 12 Hours

(Drying time is temperature and humidity dependent.)

Care & Maintenance

For exterior surfaces, hose off with a garden hose equipped with a pistol grip sprayer. For interior surfaces, use a damp towel. Rinse with fresh water and dry. For additional cleaning, use ThinTech Coatings Safe Clean and rinse with fresh water. To reapply, follow the application instructions; there is no need to remove the original coat.

Cautions

- In case of skin contact, wash thoroughly with soap and water.
- Always wear safety goggles or a splash shield to avoid eye contact. Do not wear contact lenses without eye protection.
- If the coating gets into the eyes, immediately flush with water for 15 minutes. Seek medical attention if irritation persists.
- If accidentally swallowed, rinse the mouth thoroughly with water and seek immediate medical attention if discomfort occurs.