

Product Information



DiamondizeXP Protective Treatment

PROFESSIONAL USE ONLY

GLASS, PORCELAIN, TILE

STONES: GRANITE, MARBLE

Product: DiamondizeXP Protective Treatment - Factory or field Applied Sealant for Glass, Porcelain, Tile, and Granite Surfaces

Description: Diamondize Protective Treatment seals and protects the surface of Glass, Porcelain, Tile and Granite by repelling water, dust, spills and environmental contaminants such as acid rain and salt fog. The product chemically binds at the atomic level to the surface structure making the surface highly repellent to contaminants that cause corrosion, oxidation and staining. Corrosion and stains degrade the surface structure and shorten the service life of the material. Diamondize Protective Treatment is easily applied and cures within seconds. It has excellent molecular adhesion, is UV resistant, stable and does not yellow, chalk or flake.

Uses: **Diamondize Protective Treatment** is formulated both as an interior or exterior surface treatment to seal and protect Glass, Porcelain, Tile and Granite surfaces. For most stone applications, **Diamondize Protective Treatment** is used in a combination with other Diamond Seal Systems products. See the Diamond Seal Systems Stone Application Guide for the appropriate use. **Diamondize Protective Treatment** is applied to new surfaces as well as restored surfaces. Once applied, contaminants are repelled. To clean the surface, simply wipe it with a damp cloth. To maintain surface repellency and protection, clean periodically with the *Diamond Blue Wash Cleaner/Protector* for glass surfaces and *Weekly Cleaner* for Granite surfaces.

General Information:

A. Mixing: **Diamondize Protective Treatment** is a single component product packaged ready-to-use.

B. Coverage Rate: The typical coverage rate for most applications unless otherwise noted in the Applications and Methods section is approximately 4,000 to 5,000 square feet per gallon. *It is recommended that the actual coverage rate for a specific application be measured for future reference in estimating.*

C. Application Considerations:

1. Unless otherwise noted in Applications and Methods section, apply when ambient temperature is between 45 and 90 degrees F. The ideal application temperature range is between 60 and 80 degrees F.
2. Do not apply in direct sunlight.

D. Precautions

1. Wear Nitrile gloves when handling this product.
2. Always wear a 3m 6000 series respirator mask with organic vapors Chemical Cartridge.
3. Always wear protective eye wear.
4. Ventilate enclosed or dead air areas during application.
5. Carefully review and follow the Material Safety Data Sheet for this product before use.
6. Do not apply around unprotected humans and animals.
7. Keep away from children.
8. For professional use only.
9. Store in a cool dry area suitable for flammable materials.

E. Cleanup and Removal

1. Clean Surfaces with a mixture of 1/3 Isoprophyl alcohol part denatured alcohol to 2 parts water.
2. Should it become necessary to remove Diamondize Protective Treatment from the surface, use the Diamond Luster Restoration Cream. See the Product information for Diamond Luster

Applications and Methods:

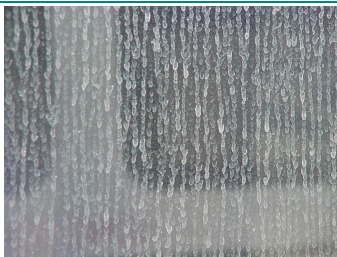
A. Diamondize Protective Treatment is excellent for surface treatment. The formulation binds the oxygen molecule in the siliceous surface structure making the surface hydrophobic (repellent to contaminants). In addition, a coating is deposited to improve repellency life and make the surface scratch, abrasion, and graffiti resistant. A limited lifetime warranty is provided with proper maintenance.

1. Surface Preparation:

a. Stage I and Stage II Corrosion Damaged Glass:

Corrosion in glass is present when contaminants such as water, acid rain, and salt fog react with the glass material and begin to breakdown the surface structure. When this happens, spots begin to form on the glass obstructing its clarity.

To identify corrosion, simply clean the glass surface with a microfiber cloth and Isoprophyl alcohol. If spots are still visible, the corrosion process has started. Stage II corrosion and I are simply references the extent of the corrosion. Stage I is less severe corrosion than Stage II.



Stage II corrosion

The Glass Surface may be renewed to clear condition whether corrosion is Stage I or Stage II using the *Diamond Luster* Restoration Cream. See the Product information sheet for *Diamond Luster*.

- b. New Glass Surfaces, Tile, Porcelain, and Granite:** The surface should be cleaned with Isopropyl alcohol and a Microfiber Cloth. Surfaces should be clean and dry to the touch, and free from all visible contaminants. Any wax coating or heavy spotting on Glass, Tile and Porcelain may need to be cleaned with the *Diamond Luster* Cream. See the Product Information Sheet for *Diamond Luster*. Consult a professional Stone Restoration company for granite surface restoration needs.
2. **Diamondize Protective Treatment Application Methods:** Following proper surface preparation, Diamondize Protective Treatment may be applied using one of the methods listed below. However, the recommended method for most surfaces is using an applicator Pad.

a. Applicator Pad Method: This method has proven effective for horizontal, vertical and angled flat surface orientations. It is most desirable for large, flat surface areas.

Supplies Required:

- i) Clean, Cool Water
- ii) Hand Applicator Microfiber Pad or Microfiber Mop Pad assembly.
- iii) Nitrile Gloves, 3m 6000 series respirator mask with organic vapor chemical cartridge assembly.
- iv) Several Micro Fiber Cloths. (Recommended Brand: Microfiber Cloths available from Diamond Seal Systems)

Procedure:

- i) Ensure proper ventilation and/or inhalation protection in accordance with the safety precautions above.
- ii) Wear the Nitrile Gloves in accordance with the safety precautions above.
- iii) Apply Diamondize Protective Treatment to the microfiber applicator pad.
- iv) Allow the product to stay on the surface for 30 to 60 seconds.
- v) Apply Liquid Diamonds on to surfaces and let sit on surfaces for 2 to 5 minutes

- vi) Polish with the micro fiber cloth and mist of Diamond Blue Wash.
- vii) Any noticeable streaking can be removed with a micro fiber cloth dampened with Diamond Seal Systems' Diamond Blue Wash.

Technical Information and Physical Properties

Compatible Substrates: Glass, Porcelain, Tile and Granite

Cure Schedule: 45 seconds Air Dry

Recommended DFT: Not Applicable

Color: Clear

Viscosity: Unknown

% Solids by Weight: Unknown

% Solids by Volume: Unknown

UV Resistance: Excellent

Adhesion: Excellent

Application: Microfiber Applicator Pad and a Microfiber Mop Pad Assembly.

Application Temperature: 45°-90° F (60°-80° is ideal)

Dry Time: Dry to touch in less than 45 seconds

Odor: Mild

Weight per gallon: 7 lbs.

VOC Content: 800 grams/L

Reduction: None

Resistance to Chalking: Excellent

Resistance to Thermal Change: Excellent

Maintenance:

Under normal conditions, Diamondize Protective Treatment will remain effective for at least 2 years. Repellency and protection is maintained indefinitely by periodic cleaning of the surface using Diamond Seal Systems' *DIAMOND BLUE WASH* Cleaner/Protector. See the Diamond Blue Wash Product Information. **The need and frequency of Diamond Blue Wash cleaning and/or re-coating will vary based on the severity of environmental conditions and the owner's desire regarding appearance.** It is also recommended that the Liquid Diamonds Coating be applied to the surface after Diamondize Protective Treatment for exterior surface and surfaces otherwise subject to constant exposure to environmental contaminants.