

Protectosil® ANTIGRAFFITI®

Product Data and Test Information



PRODUCT NAME

Protectosil® ANTIGRAFFITI®

Aqueous, ready-to-use, zero-VOC, high-performance antigraffiti treatment for masonry, concrete and natural stone.

MANUFACTURER

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PROTECTOSIL PRODUCTS ARE MANUFACTURED AT THE EVONIK DEGUSSA CORPORATION THEODORE, ALABAMA, PLANT UNDER A QUALITY SYSTEM CERTIFIED TO ISO-9001 AND ISO-14001 REQUIREMENTS.

PRODUCT DESCRIPTION

A waterborne breathable, antigraffiti treatment for use on concrete, brick, concrete masonry units and natural stone.

Protectosil ANTIGRAFFITI protects surfaces to allow easy removal of a wide variety of graffiti, including spray paint, permanent marker, ink, bituminous paints, asphalt sealers, and other solvent or waterborne paints. Because of **Protectosil ANTIGRAFFITI**'s superior performance, standard non-hazardous cleaners and low-pressure waterblasting are sufficient removal methods for most graffiti.

Protectosil ANTIGRAFFITI is breathable and will not alter the natural appearance of the substrate. These properties make the product ideal for masonry walls.

Protectosil ANTIGRAFFITI is based on silane chemistry. It will chemically bond to the substrate. This allows the material to undergo many cleaning cycles before retreatment is necessary.

Protectosil ANTIGRAFFITI is especially suited for application when solvent-borne products are not acceptable, as in states that have VOC regulations for AIM coatings. **Protectosil ANTIGRAFFITI** is VOC compliant in all 50 states.

APPROPRIATE APPLICATIONS

Materials such as cast-in-place concrete, brick and block masonry, and natural stone can be protected from graffiti.

For use on buildings, walls, sound barriers, piers, columns, bridges and other areas prone to the negative effects of graffiti.

To be used in conjunction with other Protectosil Chem-Trete and Protectosil Aqua-Trete water repellents to provide water and graffiti protection for the entire structure.

Other substrates that can be protected include sandstone, terra-cotta, hand-molded bricks, limestone, granite and most natural stones.

ADVANTAGES

Protectosil ANTIGRAFFITI is a patented silane-based mixture in water. It provides a clear, nearly invisible barrier against the most common graffiti products such as spray paints and markers. Depending on the severity and type of graffiti as well as the cleaning method used, up to ten cleanings can be expected from each application. If needed, additional **Protectosil ANTIGRAFFITI** can be applied to only the affected area without a visible difference on the substrate.

The main benefits of the product are:

- Nonsacrificial properties
- Zero VOC
- Breathable
- Clear
- Excellent UV stability
- Resistance to alkali attack
- Tack-free after drying
- No blushing, peeling or yellowing
- Easy application

LIMITATIONS

Will leave a residue on nonporous materials such as glass, metal and painted surfaces. Shrubbery and plant life should be protected from overspray.

Should not be applied if the surface temperature is below 40°F (5°C) or above 100°F (40°C), if rain is expected within 2 hours following application, or if high winds or other conditions prevent proper application. If rain has preceded the application, the surface should be allowed to dry for at least 24 hours.

TECHNICAL DATA

PROTECTOSIL ANTIGRAFFITI is a patented fluorosilane mixture in water.

Color	light yellow
Active Substance	fluorosilane
Solvent	water
Flash Point	none
Density	8.2 lb/gal
VOC	0 g/l

INSTALLATION

Concrete must be allowed to cure for a minimum of 28 days. All repointing must be completed and allowed to cure for at least 3 days. Concrete repair and replacement must be completed before application of **Protectosil ANTIGRAFFITI**. Patching materials, caulking, sealing materials and traffic paint must be fully cured before application.

All surfaces must be cleaned to remove all traces of graffiti, dirt, dust, efflorescence, mold, salt, grease, oil, asphalt, laitance, curing compounds, paint, coatings and other foreign materials. Acceptable surface cleaning methods include shotblasting, sandblasting, waterblasting and using chemical cleaners. Check with your local Protectosil representative to verify that surface preparation is adequate.

Protectosil ANTIGRAFFITI should be applied using rollers, brushes or equipment that will not atomize the material. If power rolling, use a roller with a 1" nap. Do not apply to a wet or damp substrate.

Application rates are dependent on porosity and surface roughness of the substrate. Apply a test patch to determine actual coverage rate and number of coats of **Protectosil ANTIGRAFFITI** before starting the project.

Usage is typically 175 to 250 ft²/gal in two to three coats. On porous substrates, dilute the first coat of **Protectosil ANTIGRAFFITI** with 14 parts potable water. A full-strength coat must be used for the second and third applications. The total usage, including all coats, should be 175 to 250 ft²/gal. Your Protectosil representative can give an exact coverage rate and application conditions after a test patch has been applied.

Protect glass, metal and other nonporous substrates from overspray. **Protectosil ANTIGRAFFITI** will not etch glass but will leave a residue on nonporous surfaces. Some darkening of the surface may occur, depending on the amount of **Protectosil ANTIGRAFFITI** applied and the color and texture of the substrate. A test patch must be applied in order to verify actual conditions on the substrate.

Precautions: Protectosil ANTIGRAFFITI product containers should be kept closed when not in use and should be stored at temperatures between 35°F (2°C) and 100°F (40°C), away from rain and standing water.

Do not allow material to freeze. Please read the material safety data sheet for more detailed information.

GRAFFITI REMOVAL

Protectosil ANTIGRAFFITI is designed to allow easy removal of paint, markers and other materials used for graffiti from concrete, masonry and natural stone substrates. Acceptable methods for removing graffiti include citrus-based paint removers, high-pressure water, steam cleaning and proprietary cleaners. Contact your Protectosil representative for approved products.

If high-pressure water is used, care must be taken so as not to etch the substrate. Removing the substrate will also remove the **Protectosil ANTIGRAFFITI**.

AVAILABILITY

Protectosil ANTIGRAFFITI is available in 5- and 55-gallon drums to approved applicators, F.O.B. to various warehouses throughout the United States. Contact your local representative or your regional manager for specific cost information. You can obtain their contact information on our website, www.protectosil.com, or by calling our toll-free number, 1 (800) 828-0919.

TECHNICAL SERVICE

Technical service engineers and chemists are available to answer questions about product performance, application methods and compatibility with other building components. You can speak to one of our chemists directly by calling our toll-free number, 1 (800) 828-0919, and selecting option 4.

For more information, MSDS and the most updated product information, and to find your local representative, go to www.protectosil.com.

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