



PROTECTOSIL® ANTIGRAFFITI

Ready-to-use, high-performance anti-graffiti aqueous solution
for the treatment of masonry, concrete and natural stone

PROTECTOSIL® ANTIGRAFFITI is a patented silane product mixed with water.

It provides a clear, almost invisible barrier that protects the surface on which it is applied against “common” graffiti, produced from spray paints, markers, inks, bitumen paints, sealers and other water-based or solvent-based paints. Depending on the severity and type of graffiti, as well as the cleaning process used, up to ten washes can be performed for each application of PROTECTOSIL.

If necessary, it is possible to apply PROTECTOSIL only to the affected area without any visible difference on the substrate.

Due to the superior performance of PROTECTOSIL® ANTIGRAFFITI, non-toxic and non-hazardous cleaners and low-pressure water jet cleaning equipment are sufficient to remove most graffiti from affected surfaces. These properties make it ideal for masonry walls.

■ USES

For use on buildings, walls, acoustic barriers, pillars, columns, bridges and areas exposed to the negative effects of graffiti.

TYPICAL USES:

- For masonry and cast-in-place concrete
- Bricks, blocks and natural stones
- Other substrates including sandstone, terracotta, hand-cast bricks, limestone, granite and most natural stones

■ PRODUCT FEATURES

- Low VOC
- Clear
- Excellent UV stability
- Alkali resistance
- Dry to the touch
- Will not redden, yellow or peel
- Easy to apply
- Breathable: does not alter the natural appearance of the substrate by allowing it to “breathe”
- Chemically bonds to the substrate
- Allows the material to undergo numerous cleaning cycles before re-treatment is necessary
- Particularly suitable for applications where solvent-based products are not accepted, such as in some provinces where VOC regulations (for AIM coatings) are in force

■ SURFACE PREPARATION

Concrete must be cured for a minimum of 28 days. Any repointing must be filled and cured for a minimum of 3 days. Concrete repairs and/or replacement must be completed prior to the application of PROTECTOSIL® ANTIGRAFFITI. Cementitious patching compounds, caulks, sealants and traffic paint must be completely dry and cured prior to the application of PROTECTOSIL. All surfaces must be cleaned to remove all traces of graffiti, dirt, dust, efflorescence, mold, salt, grease, oil, asphalt, laitance, curing compounds, paints, coatings and other foreign materials. Surface cleaning methods include shot blasting, sandblasting, pressurized water jetting and the use of chemical cleaners. Contact your BMQ SOLUTIONS representative to verify that the surface preparation is adequate.

■ PRIMING

No primer required.

■ PRODUCT MIXING

NON-POROUS SURFACES:

- No mixing required, ready to use product.

POROUS SUBSTRATES:

- Dilute the first coat of PROTECTOSIL® ANTIGRAFFITI at a rate of 9 parts water to 1 part product.

MATERIAL PHYSICAL PROPERTIES @ 25°C (77°F)

PATENTED BLEND OF AQUEOUS FLUOROSILANE		FLAMMABILITY	
Color	light yellow	Flash point	None
Active agent	fluorosilane	TESTS	
Solvent	water		
Density	8.2 lb/gal		
VOC	less than 25 g/L	Cleanability Level 3 after 25 cycles ASTM 6578	
		No change in graffiti resistance after 2,000 hours ASTM 653	
		90% breathable ASTM 6490	



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■ PRODUCT APPLICATION

PROTECTOSIL® ANTIGRAFFITI should be applied using rollers, brushes or by spraying with airless equipment. Use long nap rollers (25 mm) for direct application. Do not apply to damp or wet substrates. Spread rates depend on the porosity and surface roughness of the substrate. It is recommended to apply a small amount of product on a small area (test) to determine the actual spread rate and the number of coats of PROTECTOSIL® ANTIGRAFFITI required before officially starting the project. Undiluted applications are required for the 2nd and 3rd coats of PROTECTOSIL® ANTIGRAFFITI. Total coverage, including all coats, should be approximately 175 sq. ft. to 250 sq. ft. per US gallon. Your BMQ SOLUTIONS representative can calculate the spread rate and exact application conditions after a test has been conducted on the site to be treated. Protect glass, metal and other non-porous substrates from overspray.

PROTECTOSIL® ANTIGRAFFITI will not attack or damage glass but will leave a residue on non-porous surfaces. Depending on the amount of PROTECTOSIL® ANTIGRAFFITI applied and the color and texture of the substrate, some surface darkening may occasionally occur. A test should be performed to verify actual application conditions on the substrate in question. Should not be applied if the surface temperature is below 5°C (40°F) or above 40°C (100°F), if rain is expected within 2 hours of application, or if high winds or other adverse conditions may interfere with application. If rain has preceded application, the surface must be allowed to dry for at least 24 hours.

■ GRAFFITI REMOVAL

PROTECTOSIL® ANTIGRAFFITI is specifically designed to facilitate the removal of paint, markers and other materials used to produce graffiti from concrete, masonry and natural stone. Recommended methods for graffiti removal include citrus-based paint strippers, high-pressure water jets, steam cleaning and specialty cleaning products. Contact your BMQ SOLUTIONS representative for approved products. If high-pressure water jet cleaning is used, care must be taken to avoid attacking the substrate. Removing the substrate will also remove the PROTECTOSIL® ANTIGRAFFITI film.

■ NOTES

Leaves residue on non-porous materials such as glass, metal and painted surfaces. Shrubs and plants should be protected from spray.

■ CURING

PROTECTOSIL® ANTIGRAFFITI is a self-curing material.

■ ESTIMATING / YIELD

Coverage is typically 4.3 m²/L to 6.2 m²/L (175 ft²/US gal to 250 ft²/US gal) in 2 or 3 coats on non-porous surfaces. Contact your BMQ SOLUTIONS representative.

■ PRECAUTIONS / RESTRICTIONS

Containers must be kept closed when not in use.

■ PACKAGING

PROTECTOSIL® ANTIGRAFFITI :

18.9 L (5 US gal) bucket, and
205 L (55 US gal) barrel

■ RECOMMENDED TOOLS

The following tools will assure a cost effective, satisfactory installation:

- 1" Bristle Roller
- Brush
- Sprayer

■ CLEANING

Use water to clean tools immediately after use.

■ STORAGE

Store in a dry, cool place between 2°C and 40°C (35°F and 100°F), away from rain and standing water. Do not allow product to freeze.

■ SAFETY

See Material Safety Data Sheet.