

Graffiti Repel

Permanent anti-graffiti treatment

Graffiti-Repel is a premium anti-graffiti treatment for porous building materials including concrete, brick, sandstone, limestone, marble and bluestone. Graffiti-Repel provides porous building materials with an invisible barrier against graffiti attacks. Graffiti-Repel maintains the vapour permeability of the stone as well as providing weather resistant protection for up to 10 years.

Benefits

- **Powerful graffiti repellent** – Provides premium protection to a wide range of substrates from graffiti damage.
- **Water Based** - Low VOC formulation
- **Natural Look** – does not alter the natural look of stone nor change its surface texture, slip characteristics or colouring.
- **Surface Safe** – will not etch or cause discolouration of natural stone.
- **Vapour Permeable** – won't trap moisture. Allows natural stone to "breathe".
- **Safe to Use** – Does not contain chlorinated hydrocarbons and is not a suspected carcinogen.

Expected Wear:

Graffiti-Repel will provide premium protection for up to 10 years and in many applications, several years longer. However application methods, weather conditions, traffic, harsh cleaning methods and substrate type will affect wear. Avoid use of solvents, strong acids and strong alkalis for extended sealer life.

It is recommended that the sealer be re-applied every 7 - 8 years where harsh conditions exist.

When graffiti is removed from a surface protected with Graffiti-Repel, this area should be re-treated with Graffiti-Repel.

Recommended applications:

Graffiti-Repel is suited for use on both vertical and horizontal surfaces to repel graffiti. Ideal for use on facades, feature walling, monuments and landscape stone.

HOW TO USE

Read and understand the MSDS before use

Always pre-test in an inconspicuous location for sensitivity to chemicals.

It is recommended practise to conduct test patches to accurately determine consumption and check for compatibility with the substrate, thereby avoiding any unwanted colour change to the substrate.

PRODUCT SPECIFICATIONS

Product code: AP174

pH: 7.5

Colour: N/A

Safety: Non hazardous

Packaging: 500ml, 5lt & 15lt.



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Step 1:

The surface of the stone being treated must be clean and dry. Dirt, stains, algae, moss, mould and mildew or pre-treatment chemicals such as release oils must be thoroughly removed in order to avoid possible and unwanted interactions. Any water absorbed by the stone during the cleaning process must be allowed to dry thoroughly before application. Cracks, gaps and flawed joints must be properly repaired. Freshly applied repair mortar should be allowed to cure and the surface must be dry.

Adjacent surfaces such as windows, painted or unpainted surfaces, glass, plants and soil that should not come into contact with Graffiti-Repel should be covered with appropriate materials (plastic or cloth) to protect them from overspray and run-off.

In order to minimise possible darkening of certain building materials, we recommend that these are treated with Defender SV before applying Graffiti-Repel.

In the case of polished or honed surfaces including marble and granite, it is not necessary to apply more than one coat of Graffiti-Repel. The treatment of these substrates should be done by polishing the Graffiti-Repel into the stone using cloth or microfiber glove.

Step 2:

Graffiti-Repel is a ready-to-use product.

Best results will be achieved using HVLP (High Volume Low Pressure) spraying equipment. Because of their low atomising pressure of no more than 0.7 bar/10psi, these reduced-overspray high-performance sprayers produce far less spray mist but have high material ejection rate. The low internal nozzle pressure reduces the rebound of paint droplets from the object. HVLP spray-guns produce a fine, soft and homogenous spray that permits a broad and uniform material application. Graffiti-Repel is particularly easy to handle with nozzle sizes from 1.3mm to 1.5mm.

Step 2 Continued:

The first application should be carried out from bottom to top to prevent run off, and in one stroke to prevent overlapping. Large drops should be rubbed away with a brush. Water beading effect will develop within a few minutes.

Step 3:

Additional applications are required to provide permanent protection against graffiti. The surface must dry completely between each step. HVLP systems are also the best way apply subsequent coats of the product. A fine coating of liquid droplets will form on the surface. This must be rubbed in with a large brush as quickly as possible before the droplets can dry. Care must be taken to ensure that the impregnation is distributed uniformly (i.e. the surface should be uniformly wetted, the surface should appear bright and wet) The next coat can be applied as soon as the surface of the preceding coat has been dried. The drying times required vary between 10 minutes and one hour depending on the weather.



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Product consumption and application notes.

The number of applications and the amount of Graffiti-Repel required depends on the substrate and the desired effect. In general, porous materials require more coats than smooth, dense, microporous materials. The table below provides examples of required quantities.

Surfaces	Examples	Approximate consumption in ml/m2
Low porosity	Marble, Limestone & Travertine	100 - 140ml per coat
Coarse, low porosity	Facade brick, Exfoliated or rough sawn bluestone	120 - 160ml per coat
Smooth, porous	Concrete (dense)	100 – 150ml per coat
Coarse, porous	Sandstone, open-cell concrete, limestone	250ml per coat

It is recommended that, surfaces that have been treated with Graffiti-Repel should only be cleaned with approved products. The Actichem Graffiti-Pro is the ideal product for graffiti removal in most cases.

