



## Technical Data Sheet Art. No. 0685

# Graffiti Protection

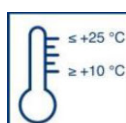
Watery, semi-permanent impregnation agent on a alkylalkoxysilane/wax basis for protection against graffiti



Water-based



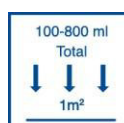
For use indoors and outdoors



Working temperature



Brush / Dipping / Low pressure spraying



Application rate: depending on use



Store frost-free and cool, protected from moisture / Close containers



Shelf-life

### Range of use

- Mineral building materials, such as bricks, natural stone, concrete, sand-lime
- Use indoors and outdoors

A solid substrate that resists a high pressure, hot water jetting when cleaned (at least 80°C on the surface of the building material) is a prerequisite for Graffiti Protection to function. The agent is not suitable for friable substrates, coats of paint and bonded heat insulating systems and should not be used on floors.

It must be ensured that water cannot penetrate from behind the treated zone.

### Property profile

- Water-repellent
- Reduces adhesion on the surface
- Water vapour diffusion-open
- Makes graffiti easier to remove by hot water jetting
- Free of solvents
- UV-resistant
- Alkali-resistant
- BAST-listed

### Characteristic data of the product

Carrier material:	water
Active ingredient content:	approx. 10% m/m
Active ingredient basis:	silane/siloxane/wax
Density (20 °C):	1,00 g/cm <sup>3</sup>
Viscosity at 20 °C:	approx. 11 seconds (DIN 4)
pH value:	approx. 8,5, neutral
Appearance:	milky, cloudy, liquid

The values above represent typical characteristic data of the product and are not to be understood as product specifications.

### Certifications



- Certification by the German Anti-Graffiti Union
- Register of certified anti-graffiti systems (BAST listing)

### Possible system products

- BFA (0673)

### Work preparation

#### Requirements of the substrate

The essential requirement for an optimal impregnation, is the absorption of the priming agent, which depends of the pore volume and the moisture content of the substrate.

The substrate must be possibly clean, dust-free and dry.

If the substrates contain salts that damage the building material, a quantitative salt analysis must be carried out.

High concentrations of harmful salts can lead to severe damage that cannot be prevented by impregnation.

## Preparation

Structural defects such as cracks, cracked joints, defective connections, rising damp and hygroscopic moisture must be remedied before impregnation is carried out.

Necessary cleaning measures should be as gentle as possible, e.g. by spraying with cold or warm water or steam cleaning; stubborn soiling should preferably be removed with the rotec Low Pressure Blaster (5235) or Remmers cleaning products [e.g. Facade Cleaner Paste (0666), Clinker Cleaner AC (0672), Combi WR (0675)].

Those parts of building components and materials that are not to come in contact with the product must be covered by suitable means.

## Directions

### Working conditions

Temperature of the air, substrate and building material:  
+10 °C - +25 °C

Applied the priming agent in a flow coating procedure under gravity (avoid atomisation) generously enough that a 30 - 50 cm film of liquid runs down the surface of the building material.

The nozzle should be led along the facade horizontally without interruption. Repeat the process (wet-on-wet) several times until no more absorption of the product can be detected. Apply with a well soaked brush or roller on surface that cannot be sprayed upon.

Freshly treated surfaces should be protected from driving rain, wind, sun and condensation water.

When re-treating the surfaces, before the actual application by

low pressure spraying, Graffiti Protection must first be applied as a primer with a wide brush and rubbed well into the substrate. Special additives temporarily eliminate the hydrophobic effect which allows the water based product to adhere to the water repelling surface.

Sprayed varnish graffiti on treated building material surfaces is removed with a hot water high pressure cleaner with a temperature of at least 80 °C.

Remmers AGE represents a sensible alternative/flanking measure for cleaning surfaces treated with Graffiti Protection. After the cleaned surfaces has dried, it can be again be treated.

## Application rate

Clinker:	0,1 - 0,2 l/m <sup>2</sup>
Natural stone:	0,3 - 0,8 l/m <sup>2</sup>
Brick I:	0,2 - 0,5 l/m <sup>2</sup>
Concrete:	0,2 - 0,3 l/m <sup>2</sup>

The required quantity of the impregnation for calculation and tendering procedures has to be determined on a sufficient large trial area (1 – 2 m<sup>2</sup>).

It is essential to test the influence on the appearance (e.g. by colour intensification) and effectiveness (Protective effect: how easy can graffiti be removed) of this product on this surface as well.

## Tools and cleaning

All non-corroding, low pressure conveyor and spraying equipment, liquid pumps, brushes.

Tools and equipment must be clean and dry.

After use and before prolonged pauses clean tools and equipment with water.

Dispose of the remains from cleaning properly

## Packaging / Colours

### Packaging

5 l and 30 l plastic canisters

## Storage / Shelf-life

At least 6 months in unopened, original containers stored dry, cool and protected from frost. Use the contents of opened containers as soon as possible.

## Safety

Further information on safety when transporting, storing and handling as well as disposal and ecology is found in the latest Safety Data Sheet.

### Personal protective equipment

Personal protective equipment is required for spraying procedures. Use respiratory protection with a combination filter at least A/P2, suitable protective gloves and work clothes.

The statements above are compiled from our field of production and according to the latest technological developments and application techniques.

Since application and working are beyond our control, no liability of the producer can be derived from the contents of this information sheet. Any statements made beyond the contents of this information must be confirmed in writing by the producer.

In all cases, our general conditions of sale are valid. With the publication of this Technical Information Sheet all previous editions are no longer valid.



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