

## Technical Data Sheet

# Protectosil® ANTIGRAFFITI SP

### Semi-permanent graffiti protection for mineral building materials

#### PRODUCT DESCRIPTION

Protectosil® ANTIGRAFFITI SP is an aqueous silane system that makes porous mineral building material surfaces hydro- and oleophobic.

#### Typical Properties

Property	Unit	Value
<b>Appearance</b>		yellowish, slightly turbid liquid
<b>Density</b> DIN 51757 (@20 °C)	g/cm <sup>3</sup>	~1.01
<b>Flash Point</b> DIN 22719	°C	>95
<b>pH Value</b> (1:1 in water)		4.6
<b>Viscosity</b> DIN 53015 (@20 °C)	mPa · s	42.1

The data represents typical values (no product specification)

#### TYPICAL APPLICATIONS

Protectosil® ANTIGRAFFITI SP may be used as a protecting agent against graffiti on non painted mineral building material such as

- Concrete
- Brick/clinker
- Sandstone (exception: Udelfanger sandstone)
- Sand limestone
- Natural Stone

#### BENEFITS & ADVANTAGES

Protectosil® ANTIGRAFFITI SP

- repels water, oil, and solvent-based paints on porous mineral building materials
- creates a water vapor permeable, hydro- and oleophobic impregnation
- provides semi-permanent protection (3-5 cleaning cycles before re-application is required)

#### DOSAGE

The number of application steps and the amount of Protectosil® ANTIGRAFFITI SP required are a function of the substrate and the desired effect. In general, porous materials require more coats than dense microporous materials. Several coats of Protectosil® ANTIGRAFFITI SP must be applied to provide proper protection against graffiti. Very porous and absorbent surfaces consume more product than smooth, dense, and microporous materials. It is advisable to apply a test patch to determine the exact coverage rate.

Substrate type	Example	Consumption rate	No. of application steps
Smooth	Concrete	200 g/m <sup>2</sup>	2
Coarse, very low porosity	Clinker, façade brick	150 g/m <sup>2</sup>	2
Coarse, high porosity	Sandstone, porous concrete, limestone, plaster	~300 g/m <sup>2</sup>	2-3

#### HANDLING & PROCESSING

Protectosil® ANTIGRAFFITI SP is a water-based system that should not be applied at temperatures below 3 °C. During the application both surface and ambient temperatures should be between 5 °C and 40 °C. Please shake or stir Protectosil® ANTIGRAFFITI SP before use in order to redisperse precipitated material.

##### Step 1:

The surface of the facade to be impregnated must be clean and dry. All dirt and other substances, such as stains, algae, and moss must be thoroughly removed. Any water absorbed by the surface during the cleaning process itself must dry thoroughly before application. Cracks, gaps, and flawed joints must be repaired properly. Freshly applied repair mortar should be allowed to cure so that the surface is dry. In the case that a water-repellent agent such as Protectosil® BHN or a corrosion inhibitor such as Protectosil® CIT have been applied to the substrate in advance, it is recommended to wait at least 5 days before Protectosil® ANTIGRAFFITI SP is applied.

In order to protect adjacent surfaces, such as windows, painted or unpainted surfaces, glass, plants, and soil that are not supposed to come into contact with the product should be covered with appropriate materials.

#### Step 2:

Protectosil® ANTIGRAFFITI SP is a ready-to-use product. Best results are achieved using a roller or a brush (e.g. paint brush). In order to decrease product loss, it is recommended to apply Protectosil® ANTIGRAFFITI SP with HVLP (High Volume Low Pressure) equipment. For the purpose of checking the necessary product consumption, we recommend to apply and to observe test patches. The first application should be carried out from bottom to top to prevent pre-impregnation due to run-off material. Large drops should be distributed with a brush. A water beading effect will develop within a few minutes.

#### Step 3:

Additional application steps are required to provide sufficient protection against graffiti. The surface must dry completely between coats. The time required for drying depends on prevailing weather conditions and the underlying type of construction material. Care must be taken to ensure that each layer is distributed uniformly (i.e. that the surface is uniformly wetted, the surface should appear bright and wet). The next coat can be applied as soon as the surface has dried off. The drying time can vary from 10 minutes to one hour depending on the prevailing weather.

#### Graffiti Cleaning

If Protectosil® ANTIGRAFFITI SP treated surfaces are tacked with a graffiti, a viscous, standard graffiti remover should be used for cleaning. Please use the cleaner according to the supplier's recommendations.

After the paints are dissolved they can be washed away by using a high-pressure cleaner (with max.12 bar). If bitumen based spray paints were applied to the surface the use of a special bitumen cleaner might be required.

#### SAFETY

Before considering the use of Protectosil® products please read its Safety Data Sheet (SDS) thoroughly for safety and toxicological data as well as for information on proper transportation, storage and use.

The Safety Data Sheet is available on our website <https://silanes.evonik.com/en> or upon request from your local representative, customer service or from Evonik Operations GmbH, Product Safety Department, E-Mail [sds-hu@evonik.com](mailto:sds-hu@evonik.com).

#### PACKAGING

Protectosil® ANTIGRAFFITI SP is supplied in 25.4 kg pails and 200 kg drums.

#### STORAGE

The product should be stored at temperatures between 3 °C and 40 °C.

Do not allow material to freeze.

#### SHELF LIFE

The product has a shelf life of at least 12 months if stored in originally sealed containers.

#### Registration Listings

Registry	Status
Australia (AIIC)	No
Canada (DSL)	Yes
China (IECSC)	No
European Union (EINECS/ELINCS)	Yes
Japan (ENCS)	No
South Korea (KECL)	No
Philippines (PICCS)	No
United States of America (TSCA)	Yes

For further information  
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Customer Portal



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