Technical Data Sheet

Protectosil ECO-TRETE® ANTIGRAFFITI

Effective protection of mineral substrates against graffiti attacks – without added PFAS*

PRODUCT DESCRIPTION

Graffiti Shield: Water-based semi-permanent protection for concrete surfaces

Typical Properties		
Property	**Unit**	**Value**
Appearance		white liquid
Density DIN 51757	g/cm³	~1,031
Flash Point DIN EN ISO 2719	°C	>95
Viscosity DIN 53015 (@20 °C)	mPa·s	~2,0

The data represents typical values (no product specification)

TYPICAL APPLICATIONS

Protectosil ECO-TRETE® ANTIGRAFFITI is used as a protective agent against graffiti attacks on smooth, unpainted concrete surfaces.

BENEFITS & ADVANTAGES

Protectosil ECO-TRETE® ANTIGRAFFITI

- repels water, oil, and solvent-based paints on smooth mineral building materials
- provides semi-permanent protection (3-5 cleaning cycles before re-application is required)
- works without the use of added PFAS

DOSAGE

Protectosil ECO-TRETE® ANTIGRAFFITI can enhance the color of certain materials and, depending on the application, provide either a matte or glossy finish.

The number of application steps and the amount of Protectosil ECO-TRETE® ANTIGRAFFITI 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 ECO-TRETE® ANTIGRAFFITI 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	Consumption rate	No. of application steps
All concrete types with smooth/ polished surfaces	100-150 g/m²	2-3

HANDLING & PROCESSING

Protectosil ECO-TRETE® ANTIGRAFFITI is a water-based system that must not be applied at temperatures below 3 °C. During application, both the surface and ambient temperatures should remain within the range of 5 °C to 40 °C.

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 ECO-TRETE® ANTIGRAFFITI 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 ECO-TRETE® ANTIGRAFFITI is a ready-to-use product. The product can be applied using airless spraying, HVLP or a brush or roller. 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.

Step 3:

Additional application steps are required to provide sufficient protection against graffitis. 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.
The water-repellent effect develops within a few hours. The product reaches its full effectiveness after 5 to 10 days

CLEANING INSTRUCTIONS

If surfaces treated with Protectosil ECO-TRETE® ANTIGRAFFITI are vandalized with graffiti, cleaning within 28 days of the attack is recommended. In most cases, high-pressure water cleaning (maximum 12 bar) should be tested first, as most paints and colors can be easily removed within this time-frame.

For any remaining residues or if the graffiti remains on the surface for more than 28 days, standard graffiti removers should be used. Follow the cleaner supplier's instructions for proper application. Once the paint is dissolved, it can be removed using a high-pressure cleaner (maximum 12 bar).

If bitumen-based spray paints have been applied, a specialized bitumen cleaner may be required for effective removal.

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 www.protectosil.com or upon request from your local representative, customer service or from Evonik Operations GmbH, Product Safety Department, E-MAIL sds-hu@evonik.com.

PACKAGING

Protectosil ECO-TRETE® ANTIGRAFFITI is supplied in 25 kg, in 200 kg and 1.000 kg containers.

STORAGE

The product should be stored at temperatures between 3 °C and 40 °C. Do not allow material to freeze.

SHELF LIFE

Protectosil ECO-TRETE® ANTIGRAFFITI has a shelf life of at least 12 months when stored in originally sealed containers.

Registration Listings

Registry	Status
Australia (AIIC)	No
Canada (DSL)	No
China (IECSC)	Yes
EU (EINECS/ELINCS)	Yes
UK (UK-REACH)	Information on Request
Japan (ENCS)	No
South Korea (KECL)	Yes
Philippines (PICCS)	No
New Zealand (NZIoC)	Yes
USA (TSCA)	Yes

***Disclaimer PFAS:**
Our products do not contain intentionally added PFAS (per- and polyfluoroalkyl substances) and are not PFAS themselves. However, due to the widespread use of PFAS in industrial processes – such as in precursors and/or in production equipment – trace amounts of these substances may be present in the supply chain. Completely eliminating PFAS traces is currently not technically feasible in industrial production. We are committed to minimizing such entries as much as possible.

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