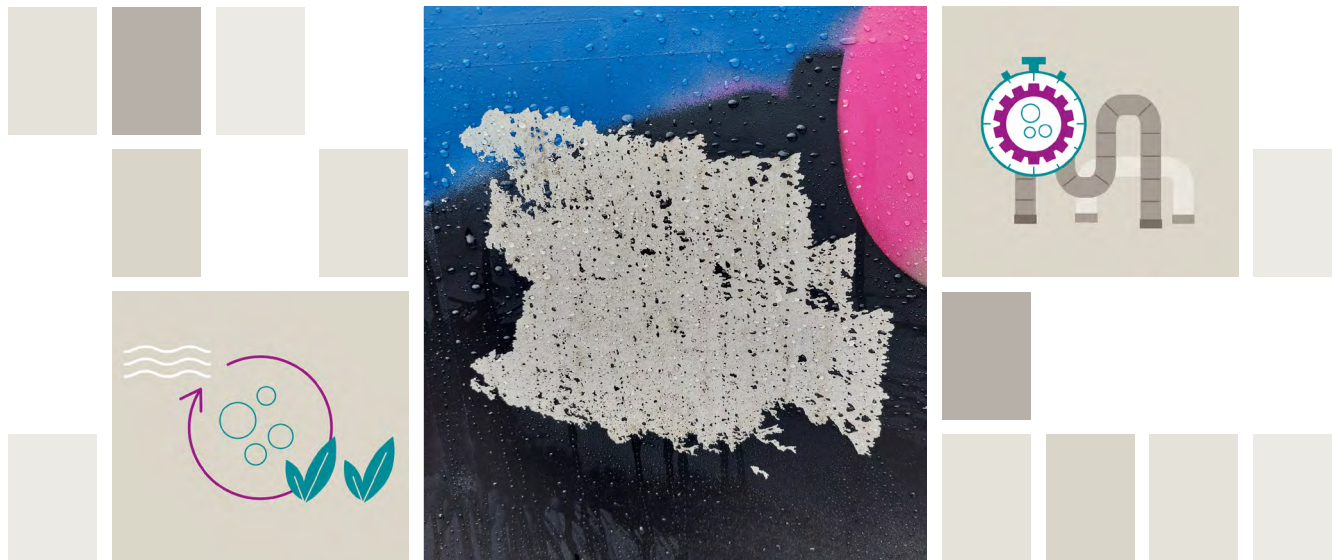


# SILANE-BASED GRAFFITI CONTROL SYSTEM WITH NO ADDED PFAS PRESERVES BUILDINGS

**Protectosil ECO-TRETE®  
ANTIGRAFFITI**



## REGULATORY COMPLIANCE WITHOUT PERFORMANCE LOSS

Efforts to regulate PFAS (per- and polyfluorinated alkyl substances) on international level – and thus protect the environment from so-called “forever chemicals” – date back to the mid-2000s. Some PFAS products have already been restricted from consumer and industrial use. A complete ban of this substance group remains on the agenda of the EU and other international regulators. Evonik is responding to these challenges with a formulation that addresses the PFAS concerns: Protectosil ECO-TRETE® ANTIGRAFFITI. This graffiti control product of Evonik allows manufacturers and users of effective building protection systems to rely on consistent use performance while ensuring regulatory compliance.

## Graffiti Control

**Protectosil ECO-TRETE® ANTIGRAFFITI reliably protects surfaces from graffiti vandalism – with no added PFAS\*. The ready-to-use product makes graffiti easy to remove and provides effective protection even after several cleaning cycles.**

\* Our product does not contain intentionally added PFAS (per- and polyfluoroalkyl substances) and is not a PFAS itself. 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.

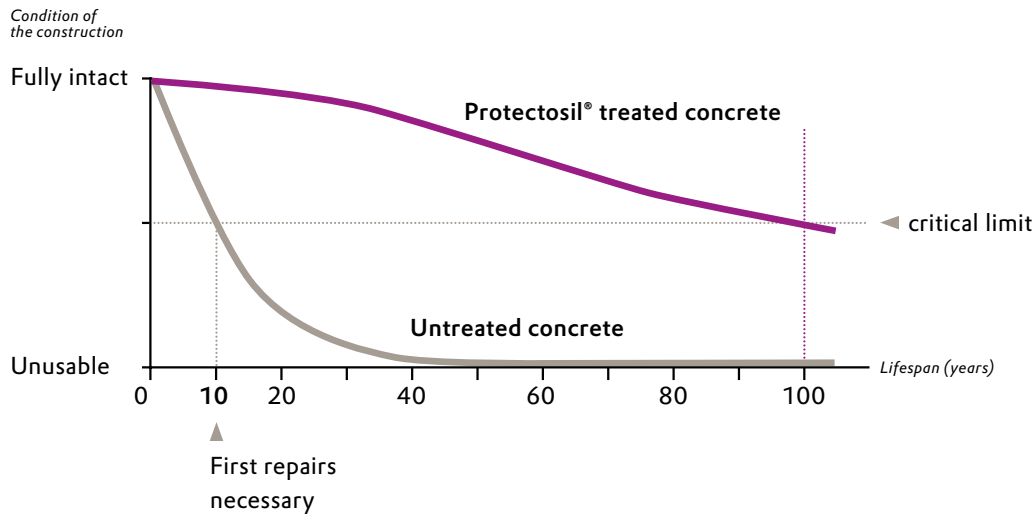
## THE PROVEN EFFECT OF PROTECTOSIL®

Evonik's building protection agents can be applied on a wide range of porous, mineral surfaces – including concrete, natural stone, sandstone, brick, and rendered facades. They penetrate deeply into the mineral substrates where they form a permanent chemical bond with the facade material. This safeguards buildings, bridges and monuments from moisture infiltration, corrosion, environmental contamination – and graffiti. The result: building materials are preserved longer and maintenance intervals extended.

## HOW GRAFFITI PROTECTION CONSERVES RESOURCES

On facades treated with Evonik's graffiti control solution graffiti can easily be removed without leaving residues behind. In most cases graffiti removal requires only a conventional high-pressure cleaner – no additional chemical treatments needed. This approach saves time and money, while reducing the use of cleaning agents that could end up in the environment.

## INDEPENDENT STUDIES HAVE SHOWN: SILANES CAN PROLONG THE SERVICE LIFE OF CONCRETE STRUCTURES BY DECADES



Source: L. Schueremans et al.: Chloride penetration in RC-Structures in marine climates. Proc., Int. Workshop on durability of reinforced concrete (2005 Qingdao, China), p. 169–179.

The Silica and Silanes experts at Evonik – From elements to excellence.





*Easy graffiti removal without strong cleaning agents*

## SAFEGUARDED FROM WITHIN

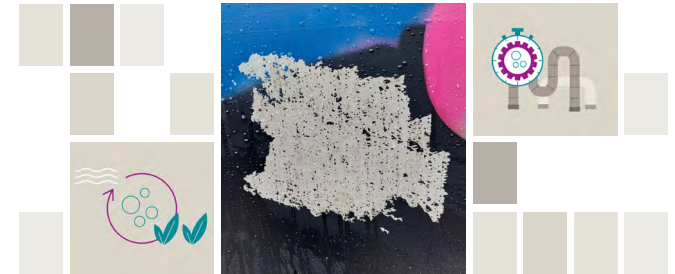
The semi-permanent protection leaves facades breathable and ensures an ideal climate in the building. The natural surface structure is retained, and water vapor can pass through from inside without causing moisture damage. Particularly in locations frequently affected by graffiti vandalism, the advantage of permanent protection through chemical bonding becomes apparent. The durable integration keeps the system anchored during graffiti removal, withstanding several cleaning cycles without compromising effectiveness.

## BENEFITS OF PROTECTOSIL ECO-TRETE® ANTIGRAFFITI:

- No intentionally added PFAS (per- and polyfluoroalkyl substances) and no PFAS components\*
- Protection even after several cleaning cycles extends renovation intervals
- UV and weather resistance
- Easy graffiti removal eliminates the need for strong cleaning agents
- Substrates remain breathable with no moisture buildup damage

**Evonik provides customers of the construction industry with comprehensive life cycle assessment (LCA) data.**

## Protectosil ECO-TRETE® ANTIGRAFFITI



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ECO-TRETE-ANTIGRAFFITI

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