

Protectosil® Building Protection

Water Repellents, Corrosion Inhibitors,
Antigraffiti & Crack Sealers



Product Applications	VOC*	Typical Coverage Rate (ft ² /gal)	Brick	Concrete Buildings	Concrete Parking/Bridge Decks	Concrete Masonry Units	Sandstone	Limestone/Marble/TerraCotta	Granite
Protectosil® AQUA-TRETE® EM	<100	100-150	++	++	+	+	++		++
Protectosil® AQUA-TRETE® 40	<275	175-250	+		+++				
Protectosil® AQUA-TRETE® Concentrate	<100	40-70	+			+++			
Protectosil® AQUA-TRETE® SG	<10	125-250	+++	+++	++	+++	+++	+++	+++
Protectosil® CHEM-TRETE® 40 VOC	<600	100-150	+++	+++	+++		+++		+++
Protectosil® CHEM-TRETE® PB VOC	<600	50-80	++			+++	++	+	
Protectosil® CHEM-TRETE® 40 D	600	100-150	++				+++	+++	
Protectosil® CHEM-TRETE® BSM 350	<350	100-200	+++	+++		+	+++		+++
Protectosil® CHEM-TRETE® BSM 400	<400	100-200	+++	+++		+	+++		+++
Protectosil® CHEM-TRETE® PB 100	<400	50-80	++			+++	++	+	
Protectosil® CHEM-TRETE® PB 350	<350	50-80	++			+++	++	+	
Protectosil® 40 H	<600	150-200			+++				
Protectosil® BHN	<400	175-250		++	+++				
Protectosil® BHN Plus	<400	150-250		++	+++				
Protectosil® 100	<350	175-250		++	+++				
Protectosil® 300 S	<400	175-250		++	+++				
Protectosil® WS CIT 200	<200	125-150		+++	+++				
Protectosil® 300 C	<400	100-125		+++	+++				
Protectosil® CIT	<400	80-100		+++	+++				
Protectosil® ANTIGRAFFITI®	<20	125-250	+++	+++		+++	+++	+++	+++
Protectosil® MMA Crack Sealer HE	<70	75-150			+++				
Protectosil® Stone Sealer and Consolidation Treatment	<0	75-100	+++				+++	+++	+++

+ May be suitable ++ Suitable +++ Excellent Suitability * For the VOC laws in your state and a specific coverage rate, please contact us at +1 800 828-0919. For more information, SDS and the most updated product information and to find your local representative, go to www.protectosil.com. ** Coverage rates can vary based on porosity of the substrate. A test patch should be applied in order to determine the most appropriate coverage rate for your project.

Protectosil® for Parking and Bridge Decks

The main deterioration mechanism for concrete decks is corrosion of reinforcement and scaling of concrete. Protectosil® products for concrete decks are designed to repel water and chlorides, reducing deterioration and increasing surface life. Protectosil® products penetrate deeply to provide long service life even on wearing surfaces. Because they do not change the skid or slip resistance of the concrete, they are ideal for driving surfaces.

Protectosil® BHN, Protectosil® BHN Plus, Protectosil® 300 S, Protectosil® 100

100% silane treatments which provide excellent long term chloride screening on wearing surfaces, such as bridge decks and parking garages. Additional benefits include ability to apply in low temperatures (20°F) as well as dry times of 1 hour or less. Deep-penetrating 100% silane.

Protectosil® CHEM-TRETE® 40 VOC Protectosil® 40 H

Solvent-based silane sealers for above grade applications.

Protectosil® MMA Crack Sealer HE

2-component low viscosity reactive concentration for above grade application. Ideally suited for applications where

solvent-borne products are not acceptable. Methylmethacrylate (MMA) for use in sealing cracks in concrete structures.

Protectosil® AQUA-TRETE® 40

Water-based silane emulsion in 40% concentration for above grade application. Ideally suited for applications where solvent-borne products are not acceptable.

Protectosil® for Brick, Concrete and Concrete Masonry Buildings

Protectosil® products are clear, breathable and penetrating. They are silane-based and are suitable for above-grade brick masonry, concrete masonry and concrete. They will not yellow, peel or fade, and they keep the building façade looking natural. By reducing the amount of water entering the substrate, Protectosil® products discourage the entry of water carrying contaminants such as salts and dirt, reducing deterioration caused by efflorescence, mildew, scaling, acid rain and spalling.

Protectosil® CHEM-TRETE® BSM 350 Protectosil® CHEM-TRETE® BSM 400

Pure, 100% solvent-free silanes make these our water repellents with the longest service life. BSM 350 is VOC compliant in areas with most strict VOC laws, such as California.

Protectosil® CHEM-TRETE® 40 VOC

High-solid solvent-based system. No masking of windows necessary.

Main Benefits

- Masking of windows not necessary
- Breathable system
- No change in surface appearance



Protectosil® CHEM-TRETE® PB 100 Protectosil® CHEM-TRETE® PB 350

Pure, 100% solvent-free silanes for porous block applications. PB 350 is VOC compliant in areas with most strict VOC laws, such as California.

Protectosil® CHEM-TRETE® PB VOC

A high-solid solvent-borne system for porous block applications.

Main Benefits

- Breathable system
- No change in surface appearance
- High resistance to wind-driven rain



Protectosil® AQUA-TRETE® Concentrate

A water-reducible silane system, designed to have a high level of surface beading with penetration to protect against wind-driven rain.

Protectosil® AQUA-TRETE® EM

A waterborne, low VOC silane-siloxane blend. Ready to use and suitable for brick and concrete.

Protectosil® AQUA-TRETE® SG

A waterborne, stain-resistant product. For use on pre-cast panels to prevent silicate run down on windows.



Protectosil® for Special Applications

Evonik's commitment to research and development allows us to offer unique solutions to our customers unique problems. Protectosil® products can help you deal with graffiti vandalism, extend the life of your concrete structure by reducing corrosion, or protect your natural stone from acid rain attack.

Protectosil® CIT Protectosil® 300 C Protectosil® WS CIT 200

Surface-applied corrosion inhibitors for steel-reinforced concrete. Protects parking decks, bridges, balconies, building facades and other structures.



Protectosil® ANTIGRAFFITI®

Non-sacrificial graffiti protection. Clear, breathable, water-based system. Allows for easier removal of all types of paint, markers and inks.



Protectosil® Stone Sealer and Consolidation Treatment

A clear, penetrating, breathable water repellent and consolidation treatment for use on exterior above grade calcareous and silicious based stone.

Protectosil® CHEM-TRETE® 40 D

Clear, and penetrating breathable water repellent for calcareous stones.



EVONIK CORPORATION

Resource Efficiency
299 Jefferson Road
Parsippany, NJ 07054
info.protectosil@evonik.com
www.protectosil.com

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