

Product Information

Protectosil® CHEM-TRETE® 40 VOC

High performance water repellent for concrete, masonry and stone. Available only in North America.

Chemical Formula

>55 % Isobutyltrialkoxo silane in ethanol.

Description

A clear, penetrating, breathable water repellent for use on exterior, above-grade concrete, brick, concrete masonry units, and some natural stones. Prevents water and water-borne contaminants from entering the substrate and causing premature deterioration.

Technical data

Property	Value	Unit	Method
color	water white	-	
active ingredient	alkylalkoxysilane	-	
active content	> 40	% by weight	
solvent	denatured ethyl alcohol	-	
flash point	54	° F	
density	7.0	lbs./gal.	
VOC	max. 600	g/liter	

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® = registered trademark

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Protectosil®

Reactivity

Protectosil® CHEM-TRETE® 40 VOC penetrates into the substrate and chemically bonds with it resulting in permanent attachment of the water-repellent molecule. Protectosil® CHEM-TRETE® 40 VOC is not a coating and will not change the surface appearance of the substrate in any way.

Applications

Protectosil® CHEM-TRETE® 40 VOC reduces the amount of water entering the substrate as well as water-borne contaminants that can cause premature deterioration.

Protectosil® CHEM-TRETE® 40 VOC may be used to

- impart water repellency to a substrate for an extended time
- protect brick masonry against the ingress of wind-driven rain
- protect the reinforcing steel in concrete from corrosion due to water, deicing salts, and other water-borne chemicals
- reduce scaling of concrete pavement on highways and airport runways due to deicer chemicals
- reduce the effects of mildew, efflorescence, and stains on vertical concrete and masonry surfaces

Benefits of Protectosil® CHEM-TRETE® 40 VOC include:

- excellent resistance to water intrusion
- excellent resistance to chloride ion ingress
- high resistance to wind-driven rain
- breathable system
- deep penetration into the substrate
- no masking of windows necessary
- no blushing, peeling or yellowing
- high resistance to alkali attack
- reduced efflorescence
- no change in surface appearance

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Processing

Concrete must be cured for a minimum of 28 days. Surfaces to be treated must be clean and dry. Protectosil® CHEM-TRETE® 40 VOC may be applied with brush, roller or sprayer. Coverage rates depend on the nature of the surface to be treated. For more detailed information on how to apply Protectosil® CHEM-TRETE® 40 VOC, please contact your local sales representative by calling (800) 828-0919.

Registration

EINECS/ELINCS (EU):	not listed
AICS (Australia):	listed
DSL/NDSL (Canada):	listed
PICCS (Phillipines):	listed
TSCA (USA):	listed
IECS (P.R. China):	listed
ENCS (Japan):	not listed
ECL (South Korea):	listed

Safety and Handling

Before considering the use of any chemical, read its Material Safety Data Sheet (MSDS) thoroughly for safety and toxicological data, as well as for information on proper transportation, storage and use. The MSDS is available for download at <http://www.protectosil.com> or by calling our toll free number at (800) 828-0919.

Packaging and Storage

Protectosil® CHEM-TRETE® 40 VOC containers should be kept closed when not in use and should be stored at temperatures between 0 °F and 120 °F, away from rain or standing water.

Protectosil® CHEM-TRETE® 40 VOC-EN-2007-08

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