Product Data and Test Information Sheet
PROTECTOSIL® AQUA-TRETE® 340
Water Repellent

PRODUCT DESCRIPTION

Protectosil® AQUA-TRETE® 340 is a clear, breathable, penetrating, aqueous water repellent intended for use on concrete, brick, and masonry. This product reduces and prevents the ingress of water and waterborne contaminants by chemically bonding with silica within a substrate. This permanently bonds the water repellent to the surface, preventing water and waterborne contaminants from entering the surface.

ADVANTAGES

The main benefits of choosing **Protectosil® AQUA-TRETE® 340** are:

- Good penetration into substrate
- No change in surface appearance
- Provides excellent resistance to chloride ion ingress
- Resists the effects of acid rain, UV light, and freeze-thaw damage.
- High resistance to alkali attack
- Low VOC
- Breathable
- Long Service Life - 5 and 10 Year Material and Labor Warranties Available
- Qualifies for LEED Credit

LIMITATIONS

- Not intended for below-grade waterproofing.
- Will leave a residue on nonporous materials such as glass, metal and painted surfaces. Protect glass, metal, plastic and other nonporous substrates from overspray.
- Shrubbery and plant life should be fully protected from overspray.
- If rain has preceded the application, the surface should be allowed to dry for at least 24 hours.
- Keep off of asphalt and bituminous materials.

APPLICATION

Before application, concrete must be cured to a minimum of 80% of compressive strength, or to less than 8% moisture. Patching materials, caulking, sealing materials, and traffic paint must be fully cured before applying. All surfaces must be fully cleaned using power-washing, sandblasting, or chemical detergents of the following foreign materials:

- Dirt
- Dust
- Efflorescence
- Mold
- Oil
- Asphalt
- Paint
- Coatings
- Salt
- Grease
- Laitance
- Curing Compounds

APPLICATION

Please confirm with your Protectosil® representative to verify the surface preparation is adequate. The coverage rate of this product for horizontal concrete application is **200-250 sq. ft./gallon.**

Protectosil® AQUA-TRETE® 340 should not darken or discolor the substrate if used at the recommended coverage rates, but due to variations in substrate porosity and environmental conditions, applying a test patch is advised to verify desired results.

All product containers should be kept closed when not in use and should be stored at temperatures between 35°F and 110°F (2°C and 43°C), away from rain and standing water. Do not alter or dilute the material. Do not apply to a wet or damp substrate. Do not apply product if temperatures are expected to fall below 40°F (5°C) within 8 hours after application. Do not apply material if rain is predicted within 4 hours after application.

A warranty for the application of this product will only be issued if the correct application and coverage rate has been confirmed by a Protectosil® representative.

Spray equipment and hoses should be clean and dry prior to application. The product should be applied at a rate pulsing low-pressure (15 to 25 psi), using pumping equipment with a wet fan-type spray nozzle. Alternate methods include using either a power roller with a 1" nap or a brush. Immediately prior to using, mix or stir the material using a powered drum mixer or recirculating pump. Once completed, spray equipment and hoses should be cleaned with water. Do not allow product to dry in spray equipment or hoses.

TECHNICAL DATA

Color	milky white
Active Substance	silane/siloxane
Active Content	40%
Solvent	water
Flash Point	>200°F
Density	8.34 lb/gal
VOC	350 g/l max

TEST DATA

AASHTO T 259 "90-Day Salt Ponding"

0.0 - 0.5" depth	86% reduction or 1.2 lbs/yd3 (criteria of 1.5)
0.5 - 1.0" depth	95% reduction or 0.3 lbs/yd3 (criteria of 0.75)

NCHRP #244 Accelerated Weathering Testing

Series II	90% reduction in chloride absorption
Series IV	89% reduction in chloride absorption

ASTM C642 "Water Absorption of Concrete"

24 hours	0.40%
48 hours	0.50%

ASTM C672 "Deicer Scaling"

50 cycles	(non-air-entrained concrete) 0 rating

AVAILABILITY

Protectosil® AQUA-TRETE® 340 is available in pails, drums, and totes. Shipped F.O.B. throughout the United States and Canada. Contact your local Protectosil® representative or your regional manager for specific cost information.

TECHNICAL SERVICE

Technical service engineers and scientists are available to answer questions about product performance, application methods and compatibility with other building materials. You can speak to one of our engineers or scientists directly by calling our technical services team at **732-289-1239.**

MANUFACTURER

Evonik Corporation
2 Turner Place
Piscataway, NJ 08854
protectosil@evonik.com
silanes.evonik.com/en

PROTECTOSIL® PRODUCTS ARE MANUFACTURED AT THE EVONIK CORPORATION THEODORE, ALABAMA, PLANT UNDER A QUALITY SYSTEM CERTIFIED TO ISO-9001 AND ISO-14001 REQUIREMENTS.

For more information, SDS and the most updated product information, and to find your local representative, go to silanes.evonik.com/en