

AQUA-TRETE® EM

High Performance Water Repellent for Masonry and Concrete

PRODUCT DESCRIPTION

A penetrating, water-borne, vapor permeable water repellent for use on concrete, brick, concrete masonry units and some natural stones. A patented, ready-to-use, low VOC, silane/siloxane emulsion. Reduces the ingress of water and water-borne contaminants into the substrate and thereby prevents premature deterioration. Penetrates the substrate and chemically bonds with silica to form a permanent attachment of water-repellent molecule. AQUA-TRETE EM water repellent is especially suited for applications in which solvent-borne products are not acceptable, such as in states which have VOC regulations for AIM coatings. AQUA-TRETE EM is VOC compliant in all 50 states.

INSTALLATION

Concrete must be allowed to cure a minimum of 28 days. AQUA-TRETE EM should be applied using low pressure (15 to 25 psi) pumping equipment with a wet fan type spray nozzle. Alternate methods include power roller with a 1" nap or by brush.

The main benefits of the product are:

- Nonflammable
- VOC compliant
- Vapor permeable system
- Penetration of the substrate
- Excellent resistance to wind-driven rain
- Excellent resistance to chloride ion ingress
- Reduces efflorescence
- Long service life
- No blushing, peeling or yellowing
- Resistance to alkali attack

COVERAGE AND AVAILABILITY

On vertical surfaces apply the AQUA-TRETE EM in a flooding application, from the bottom up so the material runs down 6-8" below the spray pattern. On horizontal surfaces the liquid material should pond on the surface at least 5 seconds before being absorbed. Coverage rates on masonry surfaces depend on the type of material to be treated. Your Degussa Corporation representative can give an exact coverage rate for your particular project. AQUA-TRETE EM is available in 5 and 55 gallon drums.

CHEMTRETE® PB VOC

High Performance Water Repellent for Porous Substrates

PRODUCT DESCRIPTION

A clear penetrating breathable water repellent for use on concrete, brick, concrete masonry units and some natural stones. Prevents water and water borne contaminants from entering the substrate and causing premature deterioration. Penetrates into the substrate and chemically bonds with silica to form a permanent attachment of the water repellent molecule. CHEM-TRETE PB VOC is especially suited for making porous substrates such as split face block water repellent. This water repellent effect stands up against wind-driven rain.

ADVANTAGES

CHEM-TRETE PB VOC is a proprietary mixture of alkyl-trialkoxo silanes in a special carrier system. The CHEM-TRETE PB VOC is designed to provide a high level of surface beading with penetration to protect against wind-driven rain. The silane components are unique because they chemically bond to the silica in the substrate and set up a hydrophobic layer of protection. Because of the silane's unique chemistry a long service life is possible.

INSTALLATION

Concrete must be allowed to cure a minimum of 28 days. All surfaces must be cleaned to remove all traces of dirt, dust, efflorescence, mold, salt, grease, oil, asphalt, laitance, curing compounds, paint, coatings and other foreign materials. CHEM-TRETE PB VOC should be applied using low pressure (10-25 psi) pumping equipment with a wet fan type spray nozzle. Alternate methods include power roller with a 1" nap or by brush.

PACKAGING AND COVERAGE

On vertical surfaces apply the CHEM-TRETE PB VOC in a flooding application, from the bottom up so the material runs down 6-8" below the spray pattern. On horizontal surfaces the liquid material should pond on the surface at least 5 seconds before being absorbed. Coverage rates on horizontal concrete surfaces are between 100-200 ft²/gal. Coverage rates on vertical surfaces depend on the type of material to be treated. Application rates are from 50-175 ft²/gal. Your SIVENTO Inc. representative can give an exact coverage rate for your particular project.

CHEM-TRETE PB VOC is available in 5 and 55 gal. drums