

## CHEM-TRETE® BSM 40 VOC

### High Performance Water Repellent for Concrete, Masonry, and Stone

#### PRODUCT DESCRIPTION

A clear, penetrating, breathable water repellent for use on exterior above-grade concrete, brick masonry, concrete masonry units and some natural stones. It penetrates the surface and bonds chemically to the substrate, resulting in permanent attachment of the water repellent molecule. CHEM-TRETE BSM 40 VOC is not a coating and as a result will not discolor or change the surface appearance in any way.

#### ADVANTAGES

CHEM-TRETE BSM 40 VOC is an isobutyltrialoxy silane in an alcohol carrier. The silane is designed to penetrate deep into the substrate and impart a high level of water and chloride ion screening. This provides the substrate with long lasting protection. Because of the purity of the CHEM-TRETE BSM 40 VOC, it will not leave a residue on non-porous substrates such as glass windows, metal frames and painted surfaces.

#### 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 BSM 40 VOC should be applied using low pressure (15-25 psi) pumping equipment with a wet fan type spray nozzle. Alternate methods include power roller with a 1" nap or by brush.

#### BENEFITS

- 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

#### COVERAGE AND AVAILABILITY

On vertical surfaces apply CHEM-TRETE BSM 40 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 100-250 ft<sup>2</sup>/gallon. Coverage rates on vertical surfaces depend on the type of material to be treated.

**CHEM-TRETE BSM 40 VOC is available in 5 and 55 gallon drums**

## CHEM-TRETE® BSM 40D

### High Performance Water Repellent for Calcareous Stone

#### PRODUCT DESCRIPTION

A clear, penetrating, breathable water repellent and consolidant for use on exterior above-grade calcareous stone such as limestone and marble, brick masonry, and natural stones. It penetrates the surface and bonds chemically to the substrate, resulting in permanent attachment of the water repellent molecule.

CHEM-TRETE BSM 40D is not a coating and as a result will not change the surface appearance of the substrate.

#### ADVANTAGES

CHEM-TRETE BSM 40D is a mixture of isobutyltrialoxy silane and ethyl silicate in an alcohol carrier. The silane/silicate mixture is designed to penetrate deep into the substrate and impart a high degree of water repellency. The silicate allows the silane to chemically bond to substrates which have little or no natural silica. This provides the substrate with long lasting water repellent protection.

#### 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 BSM 40D should be applied using low pressure (15-25 psi) pumping equipment with a wet fan type spray nozzle. Alternate methods include power roller with a 1" nap or by brush.

#### BENEFITS

- Excellent resistance to water intrusion
- Excellent resistance to acid rain
- High resistance to wind-driven rain
- Consolidates
- Breathable system
- Deep penetration into the substrate
- No blushing, peeling or yellowing
- High resistance to alkali attack
- Reduced efflorescence

#### PACKAGING AND COVERAGE

On vertical surfaces apply CHEM-TRETE BSM 40D in a flooding application, from the bottom up so the material runs down 6-8" below the spray pattern. Coverage rates on limestone surfaces are between 75-125 ft<sup>2</sup>/gallon. Multiple applications may be needed for denser consolidation. Surfaces such as polished marble may have higher coverage rates.

**CHEM-TRETE BSM 40D is available in 5 and 55 gallon drums**