

Dry-Trete 40 Technical Data

The Silane Sealer for Concrete & Masonry

DRY-TRETE [®] **40**



PRODUCT NAME

DRY-TRETE 40

40% silane water repellent for concrete masonry and stone

MANUFACTURER

DRE Industries Inc.
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PRODUCT DESCRIPTION

DRY-TRETE 40 is a clear, breathable, penetrating treatment, which effectively protects exterior above-grade concrete, brick masonry, concrete masonry units and some natural stone.

It penetrates horizontally or vertically up to 5 mm or more and chemically bonds directly to the substrate resulting in permanent weatherproofing. Because it is a penetrant and not a coating, it offers outstanding durability and the treated substrate will not discolour or change visibly in any way.

DRY-TRETE 40 reduces the amount of water entering the substrate. By reducing the intrusion of contaminants such as salt, dirt carried by water and their harmful effects (e.g. rebar, corrosion, staining, leaching, efflorescence, scaling, spalling) are also significantly reduced.

The product formulation has an outstanding 40+ year history of successful protection on various surfaces.

Concrete and masonry must breathe or water vapour migrating from an unprotected side will move through the concrete and cause significant damage to adhesively bonded coatings or force out sealants and oils. DRY-TRETE 40 allows excellent permeability and breathability.

PRODUCT BENEFITS

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

KEY ADVANTAGES

- excellent resistance to water intrusion
- high resistance to wind driven rain
- excellent resistance to chloride ion ingress
- deep penetration into the substrate
- no masking of windows necessary
- reduces efflorescence
- 100% breathable
- no change in surface appearance

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SURFACE PREPARATION

Concrete must be allowed to cure a minimum of 28 days. All re-pointing must be completed and allowed to cure for at least 3 days. Concrete repair must be completed prior to application of DRY-TRETE 40. Patching materials, caulking, sealing materials and traffic paint must be carefully cured before applying DRY-TRETE 40.

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. Acceptable surface cleaning methods include shotblasting, sandblasting, waterblasting, and chemical cleaners. Check with your DRE INDUSTRIES INC. representative to verify that surface preparation is adequate.

APPLICATION

DRY-TRETE 40 should be applied using low pressure (15 to 25 psi) pump equipment with a wet fan type spray nozzle. Do not alter or dilute the material. Do not apply to a wet surface. A field applied test patch should be conducted by a DRE INDUSTRIES INC representative to determine coverage rate and applications conditions.

VERTICAL SURFACES

Apply DRY-TRETE 40 in a flood coat from the bottom up so the material runs down 6 to 8 inches below the spray pattern.

HORIZONTAL SURFACES

Apply DRY-TRETE 40 in a flood coat so the material ponds on the surface at least five seconds before being absorbed.

PROPERTIES

- COLOUR - Clear
- ACTIVE INGREDIENT - isobutyltrialkoxo silane
- ACTIVE CONTENT - 40% by weight
- CARRIER - denatured ethanol
- FLASH POINT - 21° C
- FLASH POINT - 7 lbs. / gal.

TESTING

- NCHRP 244 Tests for Traffic Bearing Surfaces
- Alberta Infrastructure and Transportation Type 1b
- Government du Québec, Ministère des Transports

PRECAUTIONS

DRY-TRETE 40 is a flammable liquid and should be kept away from heat, sparks, open flame or other sources of ignition. DRY-TRETE 40 containers should be kept closed when not in use and should be stored at temperatures between -15°C and 40°C. When working in an enclosed area, an air respirator should be used. Please refer to the DRY-TRETE 40 MSDS sheet for more detailed information.

PACKAGING

DRY-TRETE 40 is available in 19 litre pails and 208 litre drums.



WATERPROOFING PRODUCTS