

# DRY-TRETE 1000L Technical Data

## **DRY-TRETE** **1000L** *Water Repellent*

**LOW  
VOC's**

### PRODUCT NAME

DRY-TRETE 1000L

Water repellent sealer for concrete.

### MANUFACTURER

DRE Industries Inc.

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### PRODUCT DESCRIPTION

DRY-TRETE 1000L is a 100% silane, clear, penetrating, breathable, VOC-compliant surface treatment which effectively protects cast-in-place and precast concrete.

It penetrates the substrate and chemically bonds to the silica resulting in permanent weatherproofing. Because it forms a consistent level of protection throughout the entire depth of penetration, this provides a longer life of the treatment especially on wearing surfaces.

DRY-TRETE 1000L reduces the amount of water entering the substrate. By reducing the intrusion of waterborne contaminants like deicing salts, their harmful effects such as rebar corrosion, staining, leaching, efflorescence, scaling and spalling are significantly reduced.

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

### PRODUCT BENEFITS

DRY-TRETE 1000L is an isobutyltrialkoxo silane. 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 1000L, it will not leave a residue on non-porous substrates such as glass, windows, metal frames and painted surfaces.

### KEY ADVANTAGES

- 100% breathable
- low VOC
- 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
- no change in surface appearance
- alkali resistant
- excellent UV resistance
- resistance to acid rain
- resistance to waterborne staining

### TESTING

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

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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 1000L. Patching materials, caulking, sealing materials and traffic paint must be cured before applying DRY-TRETE 1000L.

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.

## LIMITATIONS

Not intended for below-grade waterproofing. Should not be applied if the surface temperature is below -7°C or above 40°C, if rain is expected within 2 hours following application, or if high winds or other conditions prevent proper application. If rain has preceded the application the surface should be allowed to dry for at least 24 hours.

## APPLICATION

DRY-TRETE 1000L 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 or damp surface. When required, a field applied test patch should be conducted by a DRE INDUSTRIES INC representative to determine coverage rate and application conditions.

## VERTICAL SURFACES

Apply DRY-TRETE 1000L 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 1000L in a flood coat so the material ponds on the surface at least five seconds before being absorbed or follow engineers' requirements for coverage rate.

## PROPERTIES

- COLOUR - clear
- ACTIVE INGREDIENT - isobutyltrialkoxo silane
- ACTIVE CONTENT - 100% by weight
- FLASH POINT - 38.9° C
- DENSITY - 7.3 lbs/gal
- VOC - 370 g /l

## PRECAUTIONS

DRY-TRETE 1000L is a flammable liquid and should be kept away from heat, sparks, open flame or other sources of ignition. DRY-TRETE 1000L containers should be kept closed when not in use and should be stored in a dry area 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 1000L MSDS sheet for more detailed information.

## PACKAGING

DRY-TRETE 1000L is available in 19 litre pails and 208 litre drums.

