

SIL-ACT™ Product Data

DRI-TRETE WB

VOC Compliant

Alkyltrialkoxysilane

Low Odor



ADVANCED
CHEMICAL
TECHNOLOGIES, Inc.

"Protecting the World's Infrastructure"

HIGH PERFORMANCE

SIL-ACT™ DRI-TRETE WB is a penetrating silane/siloxane water based emulsion treatment which causes concrete, masonry and many natural stones to become repellent to water, chloride, waterborne contaminants and weathering elements, preventing the premature deterioration of parking decks, bridge decks, pavements and other types of concrete and masonry structures. Stops efflorescence, is mildew and fungus resistant, and protects against freeze thaw and acid rain damage. Performance testing makes SIL-ACT™ DRI-TRETE WB an excellent choice for projects requiring an emulsion application. The VOC is less than 300 g/L making it an excellent choice when low VOC is required.

DURABLE

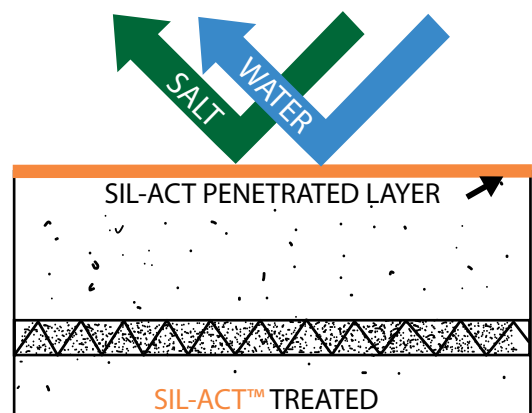
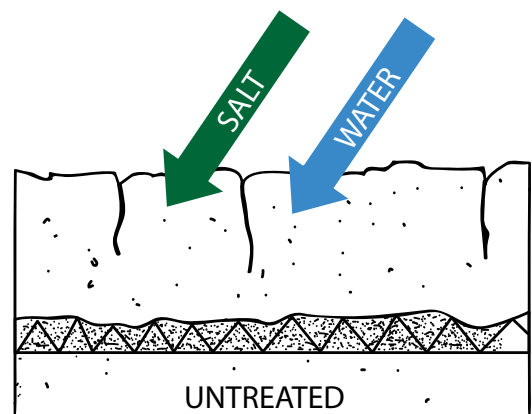
SIL-ACT™ DRI-TRETE WB can be applied to the surface by low-pressure spray, brush, roller or squeegee. SIL-ACT™ DRI-TRETE WB chemically bonds with the substrate forming a penetrated layer below the surface that acts as a one-way filter. Water, chloride and other waterborne contaminants are repelled without restricting the substrates natural vapor permeability.

FLEXIBLE

SIL-ACT™ DRI-TRETE WB is an effective treatment for new and existing cast-in-place concrete, precast concrete, prestressed concrete, architectural concrete, brick, masonry, cementitious mortars, stucco and many natural stones. Structures that can be treated include parking decks, bridges, commercial buildings, airport pavements, highways, cooling towers, stadiums and many other types of horizontal and vertical structures.

STOPS
WATER
CHLORIDE
WATERBORNE
CONTAMINANTS

PERFORMANCE TESTED!



SIL-ACT™'s penetrated silane treatment layer stops water and salt intrusion into concrete, brick, masonry and many types of stone without affecting natural vapor permeability.

TECHNICAL DATA

PROPERTY	TEST	DRI-TRETE WB
Active Ingredient		Alkyltrialkoxysilane/Siloxane
Specific Gravity	Method 24, ASTM D-5095	0.985
Density		8.22 lb/gal
Solids Content		
VOC Content		< 300 g/L
Flash Point		> 100°C, 212°F
Surface Appearance after Application		Unchanged
Coverage (sq ft/gal)		40 - 700
Drying time at 70°F		2-4 hours
Water repellency	ASTM E-514	95% reduction in water absorption
Efflorescence		Highly resistant
Yellowing		None

INSTRUCTIONS

- May darken certain substrates, apply test patch prior to application to general application to ensure compatibility, desired results and coverage rates.
- Treatment is most effective when the surface to be treated is clean and dry. Remove dirt, dust, oil, grease, curing compounds, coatings, and other surface contaminants. waterblasting, sandblasting, or shotblasting may be required.
- Please refer to Advanced Chemical Technology's CleanACT line of concrete and masonry detergents and cleaners.
- Do not proceed unless surface and air temperature is between 40°F and 110°F. Do not apply if frost, ice, or standing water are visible on the surface to be treated. Protect stored product from freezing.
- Windows, metals, etc. are not affected by SIL-ACT™. However avoid unnecessary overspray. If necessary, clean overspray areas with a clean dry cloth, soap and water or alcohol. Protect plants and vegetation from overspray. Prior to SIL-ACT™ installation check for preexisting contamination.
- Apply to saturation. Allow spraying dispersion at low pressure, if necessary follow with broom or squeegee for even distribution.
- Normal coverage rate between 40 and 700 square feet per gallon of the product depending on the substrate porosity and reactivity. Typical coverage rates (sq ft/gal):

Brick	(90-150)
Concrete Block	(40-125)
Concrete	(100-200)
Stucco	(60-110)
Natural Stone	(80-120)
Polished Natural stone	(500-700)
- Clean equipment with SIL-ACT™ Equipment Cleaner or 99.99% pure alcohol solvent.
- Partially used containers should be properly sealed and protected from contamination.

WARRANTY

Limited warranties are available for all SIL-ACT™ products. Contact ACT or your local SIL-ACT™ representative for details.

SIL-ACT™ DRI-TRETE WB is covered by several patents including U.S. 4,931,319

NOTICE: This brochure was prepared as an introduction to a product manufactured by Advanced Chemical Technologies, Inc. The information provided herein is based upon typical installation conditions and is believed to be reliable. However, due to the wide variety of possible intervening factors, Advanced Chemical Technologies, Inc. does not warrant the expected results to be obtained. Details concerning product specifications and warranty may be obtained from Advanced Chemical Technologies, Inc. Specifications are subject to change. Sale of subject system is limited to Advanced Chemical Technologies, Inc. and authorized applicator's conditions of sale including those limiting warranties and remedies.

