

Penetrant Sealers, Repellants & Stains

RAINSTOPPER® 140 - 40% Silane Sealer

RAINSTOPPER® 120 - 20% Silane Sealer

RAINSTOPPER® 110 - 10% Silane Sealer

DESCRIPTION

RAINSTOPPER® 110, 120, and 140 Silanes are chemical treatments which cause concrete, masonry, limestone or mineral substrates to become repellent to salt and water. Available in two commercial grades, **RAINSTOPPER® 120** or **140**, for concrete, masonry and limestone; with a third grade, **RAINSTOPPER® 110** available for brick, synthetic stone, flagstone and other residential applications.

FEATURES

- Easy to use - single pass spray, wide application temperature range
- Minimal masking, overspray or clean-up problems
- No change in texture or skid resistance
- No appearance change
- Penetrant sealer
- Fast acting - treated substrates such as bridge decks reopened to traffic 20-45 minutes after treatment

BENEFITS

- Less expensive than most other products
- Low susceptibility to ultraviolet or chemical degradation
- Flows into cracks and wicks out into substrate from deepest crack point
- Helps stop efflorescence
- Compatible with solvent based surface finishes, striping paint and **TEX·COTE® XL 70® BRIDGE·COTE®**
- Vapor permeability unaffected

RECOMMENDED OVER

Limestone Aggregates, Gravel, Sand, Granite, Concrete, Stone, Brick/Masonry, Flagstone, Sandstone, Limestone, Precast Concrete, Stucco, Architectural Concrete, and Synthetic Stone

APPLICATION

Job Conditions

The **RAINSTOPPER® Silane Solution** is ready to use and shall be applied as supplied. It cannot be diluted or altered in anyway. **DO NOT** allow any water to get into the solution. Application equipment should contain **NO WATER**. If the equipment to be used has been cleaned using water, it may still be wet. It should be flushed with a small amount of Anhydrous Alcohol or **RAINSTOPPER® Silane Solution** prior to beginning the actual application.

Coverage Rate

RAINSTOPPER® Silane Sealers are clear penetrant sealers. Coverage rate will vary depending upon porosity of substrate. Estimated coverage:

Limestone Aggregates, Brick/Masonry, Sandstone, Stucco, Split Faced Block- 75 to 100 square feet per gallon.

Gravel, Sand, Granite, Precast Concrete, Architectural Concrete, Flagstone, Synthetic Stone: 100 to 125 square feet per gallon.

Application

The **RAINSTOPPER® Silane Solution** may be applied by brush, roller or spray. The most effective method for applying the **RAINSTOPPER® Silane** is to spray it on the surface using low pressure (15 p.s.i.) positive displacement airless spray equipment. All spray equipment should be fitted with fan spray nozzles and then spray adjusted to a "Wet Spray" condition.

Mist spraying can allow a substantial portion of the material to be lost to the atmosphere and slow down the rate of application. Deck areas should be sprayed using a spray-bar type unit, and other areas sprayed with hand spray units. The spray equipment, tank, hoses, etc., should be thoroughly clean, free of water, foreign matter and oil residue prior to use for spraying the **RAINSTOPPER® Silane Solution**. The coverage rate shall be as per the NCHRP 244 Test Method or as designated by the governing highway department or engineer of record. (All test results based on a coverage rate of 125 square feet/gallon standard NCHRP Test 244 method.) Horizontal surfaces will be completely flooded; vertical surfaces will have spray patterns that

will run 6 to 8 inches before soaking in when application rates are correct.

If the applicator is unable to complete the entire application at one time, the place where the application was stopped shall be clearly marked. Partially used containers should be properly sealed and protected from contamination by water or other foreign substances.

Provide adequate ventilation during and after application, so that RAINSTOPPER® odors are not evident. Product is flammable. Use reasonable care and caution. Do not proceed when excessive winds (fifteen (15) m.p.h. or over) could interfere with application. Concrete shall have cured to design strength prior to application of the RAINSTOPPER® Silane Solution.

All surfaces must be able to absorb the RAINSTOPPER® Silane Solution. The Silane can be fully effective only when the solution is able to penetrate into the concrete or masonry pores and capillaries.

To determine the surface absorption characteristics, observe the rate at which a small drop of the RAINSTOPPER® Silane Solution penetrates into the substrate. It should begin to penetrate immediately and be absorbed by the surface within a few seconds. This indicates the surface is sufficiently clean to allow penetration. If the surface retains an "oil spot" appearance, it must be cleaned.

Surfaces which are not clean (i.e., surfaces where the pores and capillaries may be clogged with oils, dirt, dust, curing compound and/or

other coatings, etc.) must be cleaned sufficiently to allow enough pores to be opened so the RAINSTOPPER® Silane Solution can penetrate as described above.

Recommended Cleaning Method

Steel shotblasting, sandblasting, waterblasting or any other method which opens pores are desired. If wet methods are used, the surface should be allowed to dry completely prior to application the Silane Solution. When applied to a clean surface, the thickness of the penetrated layer is determined by the dryness of surface when treated, the amount of RAINSTOPPER® applied and the density of the substrate. All concrete or masonry surfaces shall be substantially dry prior to application of the Silane Solution.

FOR BEST PERFORMANCE

- Do not allow overspray to make contact with plants.
- Do not apply when ambient or surface temperature is below 32°F or above 100°F.
- TCA does not promote or recommend coating the sealant joints, nor is the sealant compound

an approved substrate.

- Do not apply to wet surfaces.
- Do not apply when heavy rain is pending within 60 minutes.

Be sure the surface is adequately cleaned to absorb the RAINSTOPPER® prior to application.

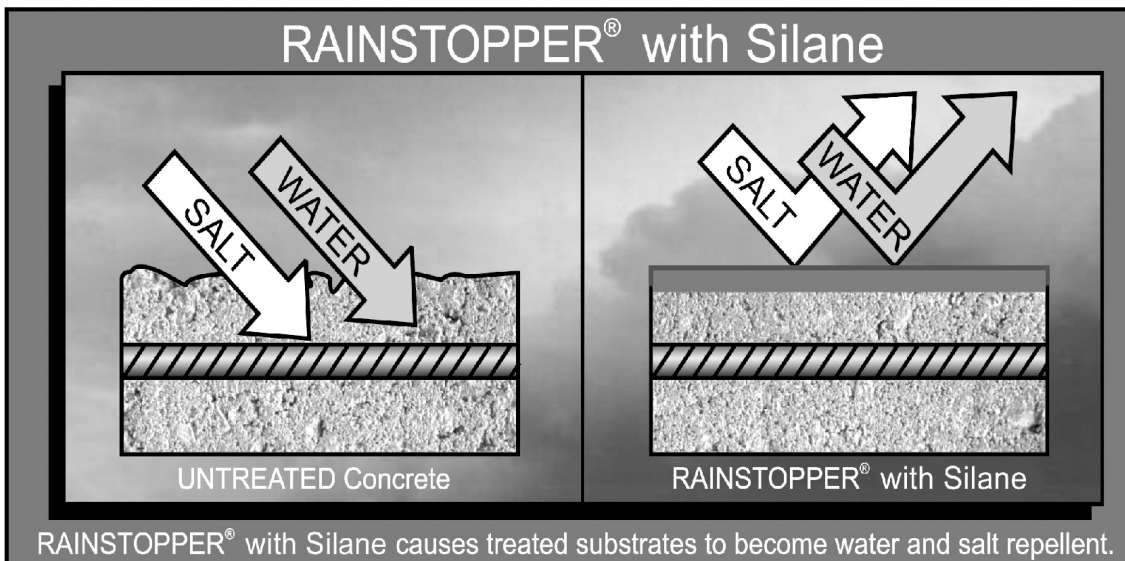
Do not allow any water to dilute RAINSTOPPER® 110/120/140.

Spray equipment for these products should be equipped with special packing material to withstand solvents such as mineral spirits and acetone.

TECHNICAL DATA

SALT RESISTANCE (AASHTO T259, T260)		
Product	Sample Depth Inch	% Chloride Ion by Wt.
Control Uncoated	1/16"-1/2"	0.0792
Control Uncoated	1/2"-1"	0.0581
RAINSTOPPER® 120	1/16"-1/2"	0.0269
RAINSTOPPER® 120	1/2"-1"	0.0032
RAINSTOPPER® 140	1/16"-1/2"	0.0144
RAINSTOPPER® 140	1/2"-1"	0.0030
SALT WATER WEIGHT GAIN WJE Assoc. NCHRP Report No. 244: Test 21 Days		
Product	Average Wt. Gain %	Average Reduction in Wt. Gain %
RAINSTOPPER® 120	0.42	80
RAINSTOPPER® 140	0.37	83
CHLORIDE ION CONTENT WJE Assoc. NCHRP REPORT NO. 244: TEST 21 DAYS		
Product	Chloride Ion % By Wt. of Concrete	Reduction of Chloride Ion Content in Concrete %
RAINSTOPPER® 120	0.039	82
RAINSTOPPER® 140	0.024	89
Uncoated concrete	0.215	

SCALING RESISTANCE ASTM C-672		
		50 CYCLES
RAINSTOPPER® 120		No Scaling
RAINSTOPPER® 140		No Scaling
NCHRP REPORT NO. 244 Series IV, Southern Exposure		
		Reduction in Chloride Ion Content
RAINSTOPPER® 120		100%
RAINSTOPPER® 140		100%
WATER VAPOR TRANSMISSION ASTM E96 Procedure B		
Product	Average Vapor Transmission (Grains/Hr/Sq. Ft.)	Average Permeance Perms
Control	1.32	3.25
RAINSTOPPER® 120	0.9	2.23
RAINSTOPPER® 140	0.74	1.83



DESCRIPTION

Packaging

Available in 5-gallon pails, 30-gallon and 55-gallon drums.

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Shelf Life

Twelve (12) month shelf life based on the following: containers are sealed, upright and stored in a dry place. Maintain temperature of 45°F to 100°F (7°C to 38°C); avoid freezing.

SAFETY

Danger! Flammable liquid and vapor. Keep away from heat and flames. Contains acetone. Vapor harmful. Use with adequate ventilation. View Material Safety Data Sheet before

using material. Smoking in area where this material is used should be strictly prohibited. Keep out of reach of children.

VOC COMPLIANCE

All TEX·COTE® products comply with federal and state Volatile Organic Compound (VOC) rules and regulations. Please contact your nearest TCA office for assistance on the local VOC compliance in the area of intended use.

WARRANTY

Upon completion of application of coating in accordance with the manufacturer's recommendations, Textured Coatings of America, Inc. will extend its limited commercial warranty for product replacement as a result of defect in the material. The manufacturer must be notified prior to the application of the coating and the application must be in compliance with the manufacturer's recommendations for installation. Textured Coatings of America, Inc. shall have no obligation to contribute to or otherwise participate in labor or cost associated with effecting repairs. Specimen copy of material warranty available upon request.



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TEX·COTE®
 TEXTURED COATINGS OF AMERICA, INC.

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