



TECHNICAL DATA SHEET

Penetrant Sealers, Repellants & Stains
RAINSTOPPER® 140 - 40% Silane Sealer
RAINSTOPPER® 120 - 20% Silane Sealer
RAINSTOPPER® 110 - 10% Silane Sealer

PRODUCT PROFILE

DESCRIPTION

RAINSTOPPER® 110, 120, and 140 Silane 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 natural stone; 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
- Minimal Masking, Overspray, or Clean-Up Problems
- No Change in Texture or Skid Resistance
- None to Slight Appearance Change
- Penetrant Sealer
- Fast-Acting - Treated substrates such as bridge decks reopened to traffic 20-45 minutes after treatment

BENEFITS

- Less expensive option than most other products
- Low Susceptibility to Ultraviolet or Chemical Degradation
- Penetrates into substrate and flows into cracks and wicks out
- Helps Stop Efflorescence
- Compatible with Solvent-Based Surface Finishes, Striping Paint, and TEX-COTE® XL 70 BRIDGE COTE®
- Vapor Permeability Unaffected

RECOMMENDED PRIMERS/SUBSTRATES

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

PRODUCT APPLICATION

JOB CONDITIONS

The RAINSTOPPER® Silane Solution is ready-to-use and shall be applied as supplied. It cannot be diluted or altered in any way. **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 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, applying from the bottom up, 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.



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APPLICATION, Continued

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.

CLEAN-UP

Abrasive-blasting, water-blasting 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 of 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.

BEST PERFORMANCE

IMPORTANT STEPS

- Do NOT allow overspray to make contact with plants, windows or unprotected areas.
- Do NOT apply when ambient or surface temperature is below 32°F or above 100°F.
- TEX-COTE LLC does NOT promote or recommend coating the sealant joints.
- The sealant compound is NOT 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 Dept 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 %	Avg. Reduction in Wt. Gain %
RAINSTOPPER® 120	0.42	80
RAINSTOPPER® 140	0.37	83

CHLORIDE ION CONTENT WJE Assoc. NCHRP REPORT No. 24: 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	



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SCALING RESISTANCE ASTM C-672

PRODUCT 50 CYCLES

RAINSTOPPER® 120	No Scaling
RAINSTOPPER® 140	No Scaling

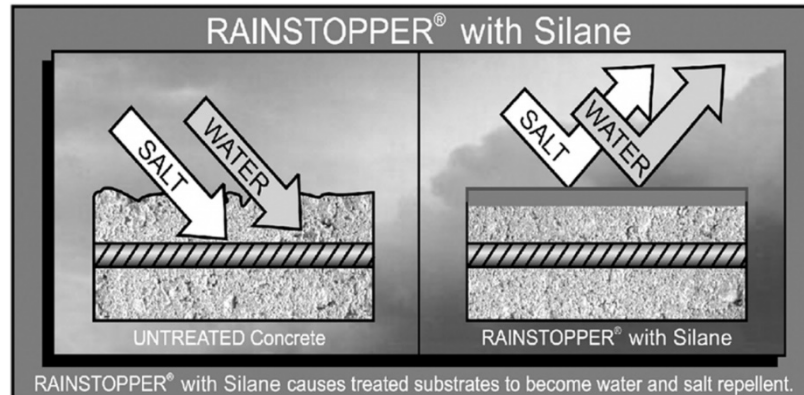
NCHRP REPORT No. 244 | Series IV, Southern Exposure

PRODUCT Reduction in Chloride Ion Content

RAINSTOPPER® 120	100%
RAINSTOPPER® 140	100%

WATER VAPOR TRANSMISSION | ASTM E96 Procedure B

PRODUCT	Avg. Vapor Transmission	Avg. Permeance
Control Uncoated	1.32 Grains/Hr/Sq Ft	3.25 Perms
RAINSTOPPER® 120	0.9 Grains/Hr/Sq Ft	2.23 Perms
RAINSTOPPER® 140	0.74 Grains/Hr/Sq Ft	1.83 Perms



ORDER INFORMATION

PACKAGING

Available in five (5), and fifty-five (55) gallon containers.

COVERAGE RATES

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SHELF-LIFE

12-Month Shelf Life under proper conditions:

- Containers must be sealed upright and stored in a dry place.
- Maintain temperature of 45°F rising to 100°F (7°C - 37.7°C). AVOID FREEZING.

SAFETY

WARNING

- DANGER! Flammable liquid and vapor.
- Keep away from heat and flames.
- Contains Acetone; Vapor harmful.
- Use with adequate ventilation.
- View SDS 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 Volatile Organic Compound (VOC) rules and regulations. Please contact your nearest TEX-COTE LLC office for assistance on the local and state VOC compliance in the area of intended use.

WARRANTY

Upon completion of the application of the coating in accordance with the manufacturer's recommendations, TEX-COTE LLC will extend its limited commercial warranty for product replacement as a result of a 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. TEX-COTE LLC shall have no obligation to contribute to or otherwise participate in labor or cost associated with effecting repairs. Specimen copy of material warranty is available upon request.

Corporate HQ & East Coast Facility

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South Florida Sales Office

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West Coast Facility

417 E. Weber Ave., Compton, CA 90222 | 323-233-3111 | Fax 310-438-2873