

STONESAVER WATER REPELLENT - Solvent Based

APPLICATIONS:

- **Parking Decks / Garages**
- **Highways**
- **Bridge Structures**
- **Commercial Buildings**
- **Concrete - Mortar - Clay Brick - Natural Stone - Wood**

DESCRIPTION:

STONESAVER Water Repellent is a small molecular structure solvent based silane which penetrates deep into concrete surfaces. Upon proper application the product will penetrate the surface and provide water repellency by chemically reacting with the cementitious substrate. STONESAVER Water Repellent reacts with moisture in the air and in the substrate in the presence of an alkaline or acidic environment to produce hydroxy groups. These hydroxy groups will bond with the substrate and itself to produce a hydrophobic treatment that inhibits water absorption into the substrate. An alkaline environment, such as new concrete, will catalyze the reaction and speed the formation of the hydrophobic surface. Treated surfaces become hydrophobic while retaining their original appearance.

BENEFITS:

Industrial strength protection against,

- Water intrusion and Wind driven rain
- Water Damage From Freeze-Thaw Cycles
- De-icing chemicals
- Mold and Mildew Build Up*
- Acid Rain Etching

Offers,

- Deepest penetration into concrete due to small molecular structure
- Inhibits metal rebar corrosion within protected concrete
- Reduces spalling, scaling, efflorescence, leaching and staining
- Highly alkaline resistant
- Invisible protection - No coating to wear off - Non Slippery
- Not effected by UV light
- Easier to wash dirt or remove ice from protected areas
- 100% breathable product
- Water Permeation Protection up to 10 years on vertical applications
- Water Permeation Protection up to 5 years on roadways or parking decks

TECHNICAL DATA:

- Colour: Clear
- Active Substance: Isobutyltrimethoxy Silane
- Active Content: 20% by weight
- Solvent: Isopropanol
- Density: 7.0 lbs/gal
- D.O.T. Classification: Flammable Liquid

DIRECTIONS FOR APPLICATION:

Concrete must be allowed to cure a minimum of 28 days. All repointing must be completed and allowed to cure for at least 3 days. Concrete replacement and repair must be completed prior to product application. Patching materials, caulking, sealing materials and traffic paint must be fully cured prior to applying Stonesaver Water Repellent.

All surfaces must be cleaned to remove all traces of curing compounds, coatings, efflorescence, dirt, dust, oil, grease, salt and other foreign materials. Acceptable surface cleaning methods include: Shotblasting, sandblasting, waterblasting, and chemical cleaners and strippers. Consult your Stonesaver representative to ensure that surface preparation is adequate.

Stonesaver Water Repellent may be applied over a damp surface **although fully dry surfaces are preferred to achieve maximum penetration into the substrate.** Ensure to remove any standing water prior to application.

A test application is essential on each surface to be treated to ensure product compatibility, accurate coverage rates and the desired water repellent results.

Stonesaver Water Repellent should be applied using low pressure / high volume sprayer < 35 psi. 3+ g.p.m. with a wet fan spray tip. Sprayer, hoses and gaskets must be solvent resistant.

Horizontal:

Working from lowest elevated area, spray surface until full saturation is reached (pond for at least 5 seconds) and remains moist for a few minutes. Back roll any pooling areas 30 seconds after spraying. If a second coat is required, it should be applied after the first coat is absorbed but still moist.

Vertical:

On vertical surface apply Stonesaver Water Repellent in a flooding spray application from the bottom up working side to side with a run down of 6" to 8" below the spray line. All run off product should be diked and absorbed with sand or kitty litter and disposed of according to local government regulations. Avoid plastic or specially coated windows.

COVERAGE:

100 - 200 sq. ft. per US Gallon. **Coverage can vary dramatically with the type and porosity of the surface. True coverage rates can only be determined by a test application.**

PRECAUTIONS:

Stonesaver Water Repellent is a flammable liquid and should be kept away from heat, open flame, spark or any other source of ignition. Containers should be kept closed when not in use and stored at temperatures between 0 - 120 degrees Fahrenheit and away from raining and standing water. Respirators should be worn during application.

As a precautionary measure when working with **STONESAVER** products, protective clothing, gloves, boots, eye wear and respirators should be worn. Avoid contact with eyes. Use only under well ventilated conditions. Avoid prolonged exposure. Store in cool, dry and ventilated area. Do not apply pressure to empty container. Do not add any other product to container. Keep container closed.

Limited Warranty

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customers tests to ensure that Stonesaver's (Surface Renewers Ontario Inc.) products are safe, effective and fully satisfactory for the intended end use. Stonesaver's (Surface Renewers Ontario Inc.) sole warranty is that the product will meet the Stonesaver's (Surface Renewers Ontario Inc.) sales specifications at the time of shipment. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted. Stonesaver (Surface Renewers Ontario Inc.) specifically disclaims any other express or implied warranty of fitness for a particular purpose or merchantability, unless Stonesaver (Surface Renewers Ontario Inc.) provides you with a specific, duly signed endorsement of fitness for use. Stonesaver (Surface Renewers Ontario Inc.) disclaims liability for any incidental or consequential damages while using our products.

In Can Shelf Life: 2 years from date of manufacture.
Substrate Permeation: Up to 10 Years on Vertical Concrete or Clay Brick
Protection Up to 5 years on Horizontal Concrete Surfaces
Based on proper application & product coverage rates.
*Providing all directions are followed precisely.

Technical Service: Toll Free 1-866-Blue Can (258-3226)
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