

# DEFY WATER REPELLENT FOR BRICK

## PRODUCT DATA

### DEFY Water Repellent For Brick

MANUFACTURER: SaverSystems

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## DESCRIPTION

DEFY Water Repellent For Brick is a one component, V.O.C. compliant water repellent which contains a proprietary modified siloxane. This water-based siloxane penetrates masonry up to 1/4 inch or more depending on surface porosity and moisture content at the time of application.

DEFY Water Repellent for Brick reacts with the minerals in masonry in the presence of ultraviolet light and atmospheric moisture. This reaction forms strong permanent bonds beneath the surface and creates a hydrophobic zone that prevents water molecules from penetrating, while allowing free migration of water vapors. The chemical bonds formed in this process allow DEFY Water Repellent for Brick to become an integral part of the substrate and provide long-term water repellent protection.

## USES

DEFY Water Repellent for Brick protects most vertical or horizontal exterior, above-grade masonry.

Natural substrate color and surface textures are unaffected, with little or no gloss created. Slight darkening may occur on dense surfaces. Testing is recommended before treating any surface to ensure desired results.

## BENEFITS

- 5 Year Warranty
- Non-Glossy
- 100% Vapor Permeable
- Efflorescence/Stain Protection
- Protection from Acid Rain and Waterborne Chemicals
- Mildew/Fungus Resistant
- Freeze-Thaw Protection

## DIRECTIONS FOR USE

Surface and air temperatures should be a minimum of 40°F. Do not use on asphalt-based material and surfaces. Do not apply to frozen or frost covered surfaces. Application must be to clean, sound, dry to slightly damp surfaces. Do not apply to wet or water saturated surfaces, or when rainfall is expected within six hours.

**Surface Preparation:** Remove dust, dirt, grease, oils, efflorescence, wax, curing compounds, coatings or other foreign matter that might block or interfere with product penetration. Cure new masonry a minimum of twenty eight days, and at least three days after repairs or tuckpointing before applying product. Test a small area of surface before starting general application to assure desired results and coverage rates. Provide adequate ventilation if applied indoors. Note: Product will cause any stains on surface being treated to darken. Remove all stains before applying.

## APPLICATION

**Vertical:** Apply from bottom up using a low pressure sprayer (10-25 psi) with a fan type nozzle. Flood surface until excess runs down six to eight inches below spray. To assure optimum performance, a wet on

wet application is recommended; apply second coat within three to five minutes. A wet treated surface may be agitated with a soft bristle brush to ensure even distribution and greater penetration. Protect adjacent paint films, windows, plant life, asphalt-based material and all non-targeted surfaces from overspray. Remove overspray immediately with soap and water.

**Horizontal:** Apply a single application with low pressure spray, or pour from container so that surface remains wet for two to three minutes before final absorption. Avoid puddling or ponding; brush or broom to spread material until it thoroughly penetrates the surface. Block all drains and use absorptive coverings to contain run-off of excess material. Use soap and water to remove overspray as soon as possible.

**Note:** Over application of material may cause darkening of surface.

**Coverage Rate:** Coverage rates will range from 90-150 sq. feet per gallon depending upon surface porosity.

**Drying Time:** One to two hours depending on temperature and humidity.

**Clean-Up:** Thoroughly rinse spray equipment with clean water. Clean rollers with soap and water. Rinse thoroughly.

## CAUTIONS

Keep out of reach of children. Fire hazards are eliminated since DEFY Water Repellent for Brick is water-based and does not contain combustible or flammable, volatile organic solvents. Eye and skin irritations are greatly reduced. There is less risk to surrounding vegetation during application, and overspray on non-targeted areas can be easily removed with soap and water.

Respiratory protection is not generally required during normal use and handling. Avoid breathing mists; the need for respiratory protection should be evaluated if material is sprayed in heated or poorly ventilated areas. The use of protective gloves and chemical splash goggles is recommended. Wash thoroughly after handling.

**Note:** Accumulation of product on ladders, scaffolding, decks, etc. may result in a slippery surface.

**First Aid:** If swallowed, drink milk or water; do not induce vomiting. Call physician immediately.

**For skin contact:** wash thoroughly with soap and water; if irritation persists, get medical attention. **For eye contact:** Flush immediately with water, then remove any contact lenses. Continue to flush eyes with water for at least fifteen minutes. See MSDS for additional information on this product.

## LIMITED WARRANTY

Our recommendations for use of this product are based upon tests believed to be reliable. Since field conditions vary widely, the user must determine the suitability of the product for the particular use and specific method(s) of application. SaverSystems warrants that DEFY Water Repellent for Brick will exhibit a water repellent effect for five years from the date of application if applied according to label instructions and if minimum application requirements are met. This warranty does not cover pre-existent flaking, spalling, abrading, faulty construction and/or other defects which might erode treated surfaces. If water repellent fails to perform as specified, SaverSystems will furnish, as the sole remedy, enough water repellent to correct the condition.

This warranty does not include labor, or the cost of labor for the re-application of water repellent. SaverSystems shall not be liable for incidental or consequential damages resulting from any breach of this warranty and fitness for use. Some states do not allow the exclusion of incidental or consequential damages, so the above exclusions may not apply to you. This warranty gives you specific legal rights. You may also have other rights which vary from state to state.

## PACKAGING

Available in 1, 5, 30, and 55 gallon recyclable containers.

## TRANSPORT AND STORAGE

DEFY Water Repellent for Brick is not considered hazardous under

Department of Transportation (DOT) regulations. Do not stack pallets. Keep from freezing.

## MAINTENANCE

Remove all contaminants which might stain or abrade treated surfaces as quickly as possible to minimize staining or abrasion. Occasional cleaning with mild detergent and water will generally restore treated surfaces to original appearance.

## PHYSICAL PROPERTIES

<b>COLOR</b> .....	Milky white
<b>COMPOSITION</b> .....	Water-based (modified siloxane)
<b>SOLIDS BY WEIGHT</b> .....	(6.0% +/-5)
<b>SPECIFIC GRAVITY, AT 25° C</b> .....	(.9952)
<b>WT./GAL</b> .....	Approx. (8.30 #/gallon)
<b>FLASH POINT</b> .....	None
<b>PENETRATION</b> .....	1/16" - 1/4" (approx—depending on substrate)
<b>VOC CONTENT (EPA METHOD 24)</b> .....	(51 gr./lt.)
<b>SHELF LIFE</b> .....	18-24 months in original sealed container
<b>YELLOWING</b> .....	None
<b>SURFACE APPEARANCE AFTER APPLICATION</b> .....	Unchanged to slight darkening

## TECHNICAL DATA

<b>Section 7</b>	
<b>ASTM 67-91 Brick</b> .....	(96.9%) (Water absorption reduction)
<b>ASTM C 140-91 Concrete</b> .....	(91.29%)
<b>ASTM C 97-90 Stone</b> .....	(81.7%)
<b>Federal Specification SS-W-110-C-3.5</b> .....	(.59%) Average absorption (Exceeds min. criteria by 41%)
<b>OHD-L-35</b> .....	(100%) (Water vapor permeable)
<b>ASTM C 67-91</b> .....	None on treated specimens
<b>ASTM G 53-88 (3000 hrs.)</b> .....	No loss in water repellency
<b>ASTM E 514-86</b> .....	(99.9%) Reduction in leakage