

DEFY MARINE SEAL CONCRETE PIER SEALER

PRODUCT DATA

DEFY Marine Seal™ Concrete Pier Sealer

MANUFACTURER: SaverSystems
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DESCRIPTION

DEFY Marine Seal for Concrete is a silane-siloxane based water repellent formulated for maximum protection for concrete surfaces against the harmful effects of both fresh and salt water exposure.

USES

DEFY Marine Seal for Concrete has been designed for use on all types of marine vertical masonry or horizontal concrete surfaces such as docks, piers, bulkheads and pilings. This high performance product bonds with the minerals in concrete and masonry to provide long-lasting water repellency and freeze-thaw protection. DEFY Marine Seal for Concrete is 100% breathable, non-film-forming, and when properly applied, will not alter the surface's appearance.

BENEFITS

- Rapid Dry Time
- Extreme Salt Water Protection
- 250 V.O.C. Compliant
- Stain Protection
- Mildew/Fungus Resistant
- Environmentally Friendly for "Clean Marinas"

DIRECTIONS FOR USE

Surface and air temperatures should be a minimum of 40°F. 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. Remove all stains before applying.

APPLICATION

Vertical: Apply from bottom up using an airless sprayer or 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 or before the treated surface is allowed to completely dry. 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 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. Horizontal surfaces will require more frequent re-applications to maintain water repellency. For complete product details refer to DEFY Marine Seal Product Data Sheet.

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

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

Clean-up: Thoroughly rinse spray equipment with clean water.

Helpful Tips: Protect surrounding vegetation. Wet leaves and greenery before and after application or cover with plastic. Asphalt material may be damaged if soaked. Protect from run-off with drop cloths or other absorbent material.

CAUTIONS

Keep out of reach of children. Do not take internally. Avoid contact with eyes and skin. Use protective eye wear when using DEFY Marine Seal for Concrete.

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 and call physician. See MSDS for additional information on this product.

Caution: Accumulation of product on ladders, scaffolding, roofing, etc. may result in a slippery surface. Prevent overspray from accumulating. Clean surfaces as necessary.

Limitations: DEFY Marine Seal for Concrete is ideally suited for use on masonry and cement surfaces that are moderately porous, exhibiting surface imperfections of no more than 0.50 mm. Consult your SaverSystems sales representative for proper recommendations when treating more porous type surfaces.

Coverage Guidelines: Estimated coverage rate of 75 to 125 square feet per gallon, per coat. Actual coverage rates will vary depending on the porosity of the surface material. Do not thin.

Storage and Disposal: Do not store below frozen 32°F. Dispose of this container and any unused product in accordance with all federal, state and local regulations.

VOC CONTENT IS LESS THAN 96 GRAMS PER LITER

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 Marine Seal Concrete Pier Sealer will exhibit a water repellent effect for seven 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 5 gallon recyclable containers.

TRANSPORT AND STORAGE

DEFY Marine Seal Concrete Pier Sealer 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

COLOR	Milky white
COMPOSITION	Water-based (modified siloxane)
SOLIDS BY WEIGHT	(8% +5)
SPECIFIC GRAVITY, AT 25° C	(.9892)
WT./GAL	Approx. (8.25 #/gallon)
FLASH POINT	None
PENETRATION	1/16" - 1/4" (approx—depending on substrate)
VOC CONTENT (EPA METHOD 24)	(111 gr./lt.)
SHELF LIFE	18 months in original sealed container
YELLOWING	None
SURFACE APPEARANCE AFTER APPLICATION	Unchanged to slight darkening

TECHNICAL DATA

SS-W-110C	(.92%) Water absorption reduction
NCHRP 244 SERIES II	(90%)
ASTM G 53-88 (3000 hrs.)	No loss in water repellency
OHD-L-35	(100%) (Water vapor permeable)
ASTM C 67-91	None treated specimen
ASTM G 53-88 (3000 hrs.)	No loss in water repellency

COVERAGE RATES (Sq. Ft.)

Brick	90 - 150
Concrete Block/Brick	70 - 150
Concrete	150 - 300 precast or cast in place)
Stucco	80 - 150
Adobe	90 - 110
Limestone	80 - 120
Most other cementitious products	100 - 150