MASONRYSAVER SILOXANE WB CONCENTRATE

PRODUCT DATA

MASONRYSAVER Siloxane WB Concentrate

MANUFACTURER: SaverSystems
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DESCRIPTION

MasonrySaver Siloxane WB Concentrate is a blend of silanes and oligomeric alkoxysiloxanes designed to be diluted with water, at the job site. MasonrySaver Siloxane WB Concentrate penetrates concrete and masonry up to ¼ inch or more depending on surface porosity and moisture content at the time of application.

MasonrySaver Siloxane WB Concentrate reacts with the minerals in concrete and 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 by this process allow MasonrySaver Siloxane WB Concentrate to become an integral part of the substrate and provide long-term water repellent protection.

USES

MasonrySaver Siloxane WB Concentrate protects most vertical or horizontal exterior, above grade surfaces including: Clay Brick, Mortars, Natural Stone, Limestone, Granite, Sandstone, Terra Cotta, Exposed Aggregate Products, Portland Cement Stuccos, and Concrete Masonry Units. MasonrySaver Siloxane WB Concentrate is breathable, non-film forming, and will not alter surface color or appearance at proper dilution levels, with little or no gloss created. Slight darkening may occur on some adobe, limestone, or very dense surfaces, or when dilution levels for treated substrates are exceeded. **Testing is recommended before treating any surface to ensure desired results.**

BENEFITS

- 7 Year warranty
- Concentrate formula minimizes costs associated with storage and transport
- 100% vapor permeable
- Alkaline stable for use on new concrete
- Mildew/fungus resistant
- Freeze – thaw protection
- VOC Compliant upon dilution

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 for a period of twenty-eight days, and at least three days after repairs or tuckpointing before applying product. Caulking compounds should be in place and cured. Test a small area of surface before starting general application to assure desired results and coverage rates. Provide adequate ventilation if applied indoors and extinguish all flames, pilot lights and other potential sources of ignition during use and while vapors are present.

DILUTION

Dilute with clean, potable water only. Mixing vessels must be clean, dry and free of contaminants. When mixed with water, MasonrySaver Siloxane WB Concentrate turns milky white. Mix lightly to form a uniform consistency. MasonrySaver Siloxane WB Concentrate is most effective when used within eight hours of dilution, and must be used within twenty-four hours of dilution.

NOTE: When transferring MasonrySaverSiloxane WB Concentrate from container to container, safe grounding procedures should be adhered to.

VERTICAL SURFACES

Porous ..... 1 Part Concentrate : 9 Parts Water
Semi-Pourus ..... 1 Part Concentrate : 14 Parts Water
Dense ..... 1 Part Concentrate : 19 Parts Water

HORIZONTAL SURFACES

Porous ..... 1 Part Concentrate : 7 Parts Water
Semi-Pourus ..... 1 Part Concentrate : 9 Parts Water
Dense ..... 1 Part Concentrate : 14 Parts Water

APPLICATION

Vertical: Apply from bottom up using low pressure spray (<50 psi) with a fan type nozzle. Flood surface until excess runs down six to eight inches below spray pattern. To assure optimum performance, a wet on wet application is recommended; apply second coat with in ten minutes. A wet treated surface can 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 other non-targeted surfaces from overspray. Remove overspray immediately with soap and water.

Horizontal: Apply a single application with low pressure spray (<50 psi). 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-of of excess material. Use soap and water to remove overspray as soon as possible. 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.

CAUTIONS

Keep out of reach of children! Do not take internally. Avoid contact with eyes and skin. Avoid breathing mist. Close container tightly after each use. Do not re-use containers.

WARNING! In concentrated form DEFY Siloxane WB Concentrate is a flammable liquid and vapors may cause flash fire. Upon dilution of 1:9 or greater, product is combustible with flash points between 140°F and 145°F. Accumulation of product on ladders, scaffolding, decks, etc., may result in slippery surface. Avoid contact with eyes and mucous membranes and prolonged contact with skin. Keep from freezing.

First Aid: In case of eye contact, flush with water for 15 minutes and get prompt medical attention. If swallowed, call a physician, emergency room or poison control center for instructions on safely inducing vomiting. If vomiting occurs, keep head below hips to avoid aspiration. For skin contact, wash thoroughly with soap and water. If irritation persists, seek medical attention.

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 MasonrySaver Siloxane WB Concentrate 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-existing 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 and 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 gallon recyclable containers.

TRANSPORT AND STORAGE

In concentrated form DEFY Siloxane WB Concentrate is a flammable liquid and vapors may cause flash fire. Store in a cool, dry area away from potential ignition sources. Keep in tightly sealed containers. Do not mix with other chemicals. Do not double stack pallets. Dispose of in accordance with local, state and federal regulations.

MAINTENANCE

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

PHYSICAL PROPERTIES

COLOR ..... Clear amber liquid
SPECIFIC GRAVITY ..... (.96)
ACTIVE CONTENT 100%
pH ..... N/A
WT./GAL ..... 7.9 lbs
FLASH POINT ..... 69° (21°C) concentrate
140° (60°C) in 1:9 dilution
145° (62°C) in 1:14 dilution
FREEZE POINT ..... <-22
SHELF LIFE ..... 1 year in tightly sealed, unopened container
VOC CONTENT ..... <50 g/l
.....upon dilution of 1:7 or more with water)

TECHNICAL DATA

SS-W-110C ..... (.94%)
Water absorption reduction
NCHRP 244 SERIES II ..... (91%)
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.)

ARCHITECTURAL CONCRETE BLOCK
Burnished ..... 75 - 100
Smooth, spit faced & ribbed ..... 30 - 85
CONCRETE
Brick ..... 75 - 150
Tile ..... 100 - 150
Precast panels ..... 125 - 200
Pavers ..... 100 - 200
Cast-in-place ..... 100 - 150
FIRED CLAY
Brick, tile, terra cotta, pavers ..... 100 - 250
SANDSTONE
Unpolished ..... 60 - 100
SLATE
Unpolished ..... 200 - 400