

MASONRYSAVER 20B

PRODUCT DATA

DEFY MasonrySaver 20B

MANUFACTURER: SaverSystems

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DESCRIPTION

DEFY MasonrySaver 20B is a V.O.C. compliant water repellent which contains an optimized 20% blend of silane and siloxane. This product has been specially formulated for use in "severe environment" situations, such as parking garages, where protection from extreme moisture and de-icing chemicals is required. This water-based blend penetrates concrete pores up to 1/4 inch or more depending on surface porosity and moisture content at the time of application. DEFY MasonrySaver 20B reacts with the minerals in concrete in the presence of ultraviolet light and atmospheric moisture. This reaction forms strong permanent bonds beneath the surface and creates a hydrophobic zone that helps prevent water penetration, while allowing free migration of water vapors. The chemical bonds formed in the process allow DEFY MasonrySaver 20B to become an integral part of the substrate and provide long-term water repellent protection.

USES

DEFY MasonrySaver 20B can be used on most vertical or horizontal exterior, above-grade surfaces. It is ideally suited for concrete where maximum chloride ion protection is needed including: Architectural concrete; precast or cast-in-place, Mortars, Exposed Aggregate Products, Portland Cement, Stuccos, and Concrete Masonry Units.

Natural substrate color and surface textures are unaffected, with little or no gloss created. Testing is recommended before treating any surface to ensure desired results.

BENEFITS

- Non-Glossy
- 100% Water Vapor Permeable
- Efflorescence/Stain Protection
- Protection from Acid Rain and Water Borne Chemicals
- Mildew/Fungus Resistant
- Freeze-Thaw Protection

DIRECTIONS FOR USE

Surface and air temperatures should be a minimum of 40°F and a maximum of 100°F for two hours following application. This product is not suitable for use on asphalt surfaces. Do not apply to frozen or frost covered surfaces. Application must be to clean, sound, and relatively dry surfaces (can be applied to slightly damp surfaces). Do not apply to wet or water saturated substrates or when rainfall is expected within six hours unless adequate protection with a polyethylene film, or its equivalent, is provided. Do not apply to glazed brick, tiles, or marble. This product is not intended for exterior below grade use or for resistance to hydrostatic pressure. Keep product from freezing.

Surface Preparation: Clean and remove dust, dirt, grease, oils, efflorescence, wax, curing compounds, coatings, or other foreign matter that might block the pores of the surface and interfere with product penetration. Acceptable cleaning methods include: high pressure wash, either hot or cold water; sandblasting, high pressure steam, shot blasting, and chemical cleaning. If chemical cleaning agents are used, neutralize and completely remove all residues. Allow surface to dry at least seventy two hours after water cleaning. Surface cleaning should be closely monitored

by contractor and must not cause any unnecessary surface damage. Allow new construction to cure at least twenty eight days, and at least three days after repairs or tuckpointing before applying product. Make all necessary repairs including defects which allow water to enter the wall assembly such as: structural cracks, faulty roofing, copings, flashing, expansion joints, mortar joints, and sealants. Sealing and caulking compounds should be in place and cured prior to application.

APPLICATION

Vertical: Mix well before using. Test small area of surface before starting general application to assure desired results and coverage rates. Apply from bottom up using a low pressure sprayer (10-25 psi) with a fan type nozzle, or by roller with a minimum 3/8" nap. Set sprayer to produce a coarse stream; avoid atomization of the material. Flood surface until excess runs down six to eight inches below spray or roller pattern. For maximum penetration and desired coverage rates, a wet on wet application is recommended; retreat within three to five minutes after initial application. A wet treated surface may be agitated with a soft bristle scrub brush to ensure more even distribution and greater penetration. Protect all adjacent glossy surfaces, paint films, windows, plant life, asphalt-based materials, and all other non-targeted surfaces from overspray and rundown. Remove overspray from non-targeted surfaces immediately with soap and water. Apply to southern exposed areas during coolest part of day.

Horizontal: Mix well before using. To ensure proper coverage, measure surface before treating and apply product with low pressure spray or deep nap roller. Pretest to measure material penetration rates. Apply a single flood coat using sufficient material so that the surface remains wet for two to three minutes before product penetrates. If additional material is required to reach desired coverage rate, a wet on wet application can be used. Avoid puddling or ponding; brush or broom to spread material to more porous area. If applicable, block all drains and use absorptive coverings to contain run-off of excess material. To avoid unnecessary clean-up, use soap and water to remove overspray as soon as possible. Caution: Over-application of material may cause darkening of surface.

Coverage Rates: Coverage rates will range from 80 - 150 square feet per gallon per coat of application depending upon surface porosity. When treating fluted, scored, and split-face block, allow for reduced coverage due to increased surface area. Material requirements and desired results should always be determined by test applications.

Drying Time: To touch, one to two hours depending on temperature and humidity.

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

CAUTIONS

Avoid breathing mists. Respiratory protection is not generally required during normal use and handling. However, 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. Accumulation of product on ladders, scaffolding, decks, etc. may result in a slippery surface.

First Aid: In case of eye contact, flush with water for 15 minutes and get prompt medical attention. If swallowed, give milk or water. Do not induce vomiting. Call a physician immediately. For skin contact, wash thoroughly with soap and water. If irritation persists, get 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 DEFY MasonrySaver 20B will exhibit a water repellent effect for ten years from the date of application, if applied according to label instructions and if minimum application requirements are met. Note that warranties are issued on an individual job basis only and require notification to SaverSystems prior to product application as well as compliance with the requirements of the SaverSystems' limited warranty program. Contact your sales representative or SaverSystems for additional information on warranties. 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.

PHYSICAL PROPERTIES

COLOR	..... Milky white
COMPOSITION	..... Water-based (silane/siloxane blend)
SOLIDS BY WEIGHT	..... (20% +.5)
SPECIFIC GRAVITY, AT 25° C	..... (.9832)
WT./GAL	..... Approx. (8.2 #/gallon)
FLASH POINT	..... None
FREEZE POINT	..... (32°F)
VOC CONTENT	.....
(EPA METHOD 24)	..... (121 gr./lt.)
SHELF LIFE	..... 18 months in original sealed container
YELLOWING	..... None
SURFACE APPEARANCE	.....
AFTER APPLICATION	..... Unchanged to slight darkening
SS-W-110C	..... (92% Water absorption reduction)
NCHRP 244 SERIES II	..... (90% Water absorption reduction)
ASTM E514-86	..... (100% Reduction in leakage)
OHD-L35	..... (100% Water vapor transmission)
ASTM G 53	..... (3000 hrs.) No loss in water repellency

PACKAGING

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

TRANSPORT AND STORAGE

DEFY MasonrySaver 20B 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.