

DEFY SPLIT-FACE BLOCK WATER REPELLENT

PRODUCT DATA

DEFY Water Repellent For Split-Face Block

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DESCRIPTION

DEFY Water Repellent for Split-Face Block is a one component, V.O.C. compliant water repellent sealer for use on all vertical block surfaces, but specifically lightweight, split-face and fluted block. DEFY Water Repellent for Split-Face Block is a silane/siloxane blend with acrylic elastomers that penetrate small pores and capillaries and reduces the size of larger ones.

The unique resin blend is UV stable and allows for penetration up to 3/4 of an inch or more depending on porosity of the concrete masonry unit (CMU). This creates a deep, long-lasting hydrophobic zone within the subsurface while producing only a minimal glossy look. The acrylic elastomers seal larger pores and capillaries while the hydrophobic (silane/siloxane) ingredients change the contact angle of the block pores from negative (suction) to positive (repellent). This causes water to shed, and significantly reduces water penetration into a wall system. DEFY Water Repellent for Split-Face Block combines the advantages of a film forming coating and hydrophobic silane/siloxane water repellent.

USES

DEFY Water Repellent for Split-Face Block is recommended for use on all porous, vertical, above grade concrete masonry units including smooth, split-faced, burnished fluted or ribbed, and concrete brick. Natural substrate color and surface textures are only minimally affected, adding only a slight sheen and darkening. It can be used on denser clay brick where some gloss and sheen are desirable. Testing is recommended before treating any surface to ensure desired results.

BENEFITS

- Controls Rainwater Penetration Through Exterior CMU Walls
- Efflorescence/Stain Protection
- Protection from Acid Rain and Water Borne Chemicals
- 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 construction a minimum of twenty eight days, and at least three days after repairs or tuckpointing before applying DEFY Water Repellent for Split-Face Block. Test a small area of the surface before starting general application to assure desired results and coverage rates. Allow area to dry 7 - 10 days before inspection and approval by the project architect and/or building owner. Provide adequate ventilation if applied indoors.

APPLICATION

Protect all adjacent glossy surfaces, paint films, windows, plant life, asphalt-based materials and all other non-targeted surfaces from overspray and run-down. Remove overspray from non-targeted surfaces immediately with soap and water. Apply to southern exposed areas during coolest part of day. Shake well before using. Apply from bottom up using a low pressure sprayer (10-25 psi) with a fan type nozzle, or by airless sprayer. 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. When treating fluted block, apply in an overlapping X pattern to ensure complete coverage of recessed surfaces. A wet treated surface may be agitated with a soft bristle scrub brush to ensure more even distribution and greater penetration.

Painting Treated Surfaces: DEFY Water Repellent for Split-Face Block is compatible with most quality oil base paints recommended for exterior masonry surfaces. When painting over surfaces treated with DEFY Water Repellent for Split-Face Block, a small test area should be painted to ensure good adhesion and desired results.

Coverage Rates: Coverage rates will range from 40 to 125 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, thirty minutes to two hours depending on temperature and humidity.

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

CAUTIONS

Accumulation of product on ladders, scaffolding, decks, etc., may result in a slippery surface. Avoid contact with eyes and mucous membranes and prolonged contact with skin. **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 Water Repellent for Split-Face Block 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 and acrylic elastomers)
SOLIDS BY WEIGHT	(21.5% +.5)
SPECIFIC GRAVITY, AT 25° C	(1.00)
WT./GAL	Approx. (8.34 #/gallon)
FLASH POINT	None
FREEZE POINT	(32°F)
VOC CONTENT (EPA METHOD 24)	(78 gr./lt.)
SHELF LIFE	18 months in original sealed container
YELLOWING	None
SURFACE APPEARANCE AFTER APPLICATION	Unchanged to slight darkening

PACKAGING

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

TRANSPORT AND STORAGE

DEFY Water Repellent for Split-Face Block 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.