

Brick-Block

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Water Repellant for Brick, Masonry, Concrete, Concrete Block

Description and Uses

Brick-Block Masonry Sealer is a silane/siloxane emulsion that acts as a water repellent treatment for mineral substrates such as stone, brick, concrete and mortar. Brick-Block Masonry Sealer penetrates and provides water repellency by chemically reacting with the substrate. The active ingredients in this product are small molecules that penetrate deep into the substrate surface. After the emulsion breaks, these active ingredients react with moisture to produce hydroxyl groups. These hydroxyl groups bind with the substrate and each other to produce a hydrophobic treatment that inhibits water absorption into the substrate. This treatment does not change the appearance of the substrate and reduces spalling due to freeze-thaw and efflorescence, thereby increasing the life of the substrate.

Brick-Block Prevents and Inhibits

- Moisture penetration
- Deicing salt attack
- Corrosion of steel reinforcement
- Spalling
- Efflorescence

Advantages

- Water-based emulsion
- VOC compliant
- Substrate traction remains the same
- No color change
- Chemical bond to substrate
- Protection against deicing salt

Specifications

- Active Content: 7%-10% water based Oligomeric Alkylalkoxy Siloxane
- NCHRP Report 244 – 78% Reduction in Chloride ion content
- Vapor Transmission- Excellent. No Moisture retained after 21 days.
- Water Penetration through Masonry ASTM E-514 (10% Siloxane) (With Simulated wind driven rain at 62.5 mph 100.6 kph) Average Reduction- 85%

Application Instructions

Preparation: New concrete must be cured for 28 days prior to application. Curing compounds may not be compatible and may have to be removed. Mortar must be cured for 3 days prior to application. Surfaces must be clean, dry, and free of grease and oil. High pressure cold water washing may be necessary to remove contaminants. Chemical cleaning or hot water with high pressure may be performed. Thoroughly rinse the chemical cleaner from the substrate prior to application. Substrate surface is adequately clean when Brick-Block is immediately absorbed by the substrate.

Installation: Stir before use. The substrate surface must be completely dry. Allow 24 hours of dry time before application. Application temperatures are between 40 F and 100F. Do not apply if rain is expected in 24 hours. Do not apply in high winds. Cover and protect all glass, metal and vegetation from overspray.

Apply a single application of Brick-Block with low pressure spray equipment, roller or brush. Use a fan spray nozzle for greatest efficiency. On vertical surfaces apply the material starting at the bottom of the wall. Work your way up the wall so that Brick-Block will run down the surface 6 inches below the spray pattern. For porous vertical applications, apply a second application while the first is still wet. On horizontal surfaces, Brick-Block should be applied to completely flood the surface. Coverage rate will average 125 sq.ft. /gal. Spread puddles with a brush or broom. Keep traffic off of the surface for 1-4 hours or until the surface is dry.

Coverage (Sq. Ft/Gal)

Clay brick, Exposed Aggregate,
Stucco, Rough Stone 100-150
Precast Concrete 125-150
Smooth Stone and
Glazed Brick 150-175
Concrete 80-150
Concrete Block 60-90

Drying Time

Will dry to a clear transparent film in 1-2 hours @72 F.

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Clean Up

Clean equipment and tools with hot soapy water. Overspray can be cleaned immediately with hot soapy water. Dried residue can be cleaned with a mild citric acid or very hot water, then scrubbed with a plastic sponge.

Limitations

Keep material from freezing. To prevent damage to nearby shrubbery and landscaping, cover or protect with drop cloth. Do not apply during inclement weather or when inclement weather is anticipated within 12-24 hours. A test application is recommended to determine coverage rate and performance. Allow 5-7 days prior to testing for the product to fully react.

Warning

- Use with adequate ventilation
- Keep out of reach of children
- Do not take internally
- In case of ingestion call a physician, do not induce vomiting

The purchaser must inspect the product when received and promptly notify the company in writing of any nonconformity before the product is used or no later than 30 days after such non-conformity has been discovered. If CME LLC, in its sole discretion determines that the product breached the above warranty it will in its sole discretion replace the non-conforming product, refund the purchase price or issue a credit to the buyer of the product. THE FOREGOING WARRANTY SHALL BE EXCLUSIVE AND IN LIEU OF AN OTHER WARRANTY, EXPRESS OR IMPLIED INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR USE AND PURPOSE AND ALL OTHER WARRANTIES OTHERWISE ARISING BY OPERATION OF LAW, COURSE OR DEALING, CUSTOM, TRADE OR OTHERWISE.

Warranty

Concrete Materials and Equipment LLC warrants that for a period of 12 months from the date of manufacture or for the duration of the published shelf life, whichever is less, that at the time of shipment, the product is free of manufacturing defects and conforms to published specifications enforce on the date of acceptance by. "The company" of the order. CME LLC shall only be held liable under this warranty. If the material has been stored, used and applied in accordance with CME's instructions in the products technical data sheet.