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Architectural Concrete Solutions

Technical Bulletin and Application Guideline

Page: 1 of 1
August 2018

BOMANITE HYDROSEAL FP

WATER-BASED PENETRATING SEALER FOR CONCRETE AND MASONRY

PRODUCT DESCRIPTION

Bomanite HydroSeal FP is used for the protection of imprinted, exposed or conventionally finished concrete, and other masonry surfaces. Bomanite HydroSeal FP preserves the "natural" look unlike traditional seals and finishes that change the appearance of the concrete by darkening or adding gloss to the surface. Bomanite HydroSeal FP also preserves the natural slip resistance of the concrete with no film that changes the coefficient of friction. Bomanite HydroSeal FP repels water, reduces oil penetration and is a highly efficient chloride screen, greatly reducing the penetration of deicing chemicals into the surface of the concrete.

APPLICATION

The surface must be thoroughly cleaned, rinsed and allowed to dry. Using a pump sprayer, apply a wet coat 200-300 square feet per gallon for exposed or imprinted concrete of Bomanite HydroSeal FP to a manageable area. Use a soft flogged bristle broom to work the product evenly, leaving no puddles as all excess material that does not penetrate must be removed from surface. Apply a second coat in the same manner immediately after the first coat begins to look visibly dry. The coverage rate for the second coat will be much greater so care should be taken to not overapply the product. If excess material remains after 3 to 4 minutes, then pick up wet areas with rollers or microfiber pads. Allow the product to dry fully for at least 6 hours prior to exposure to water and 24 hours prior to opening to traffic.

SPECIFICATIONS

COLOR	White liquid
ODOR.....	Mild
FLASH POINT.....	>212 degrees Fahrenheit
SPECIFIC GRAVITY	1.03
DENSITY.....	8.24 pounds per gallon
DRYING TIME.....	30 minutes to 60 minutes
CURE TIME.....	24 hours
V.O.C. CONTENT	<25 grams per liter
POLYMER TYPE.....	Silane/Siloxane/Fluorinated Polyester
COVERAGES (approximate – 2 coat total)	
Smooth Concrete	200 to 400 square feet per gallon
Rough Concrete	100 to 300 square feet per gallon
<i>Note: Coverage will vary depending on porosity, condition of surface and method of application.</i>	
METHODS OF APPLICATION.....	Spray followed by flogged bristle broom
ASTM C 672 Scaling Resistance Exposure to De-Icing Chemicals and Freeze Thaw Cycles	
Cumulative Mass Loss	no mass loss
Scaling Resistance.....	no scaling
ASTM E 514 Wind Driven Rain	91% reduction in absorption

SPECIFICATION ASSISTANCE

Consult The Bomanite Company for specification assistance, detailing, etc. This consultation is highly recommended prior to specification.

WARRANTY

This product is warranted to meet uniform quality standards within conventional manufacturing tolerances. Since no control is exercised over product use, no warranty or guarantee, expressed or implied, can be made to its use. Seller's and manufacturer's obligation under this warranty is limited to reimbursement of the purchase price of the portion of the product proven to be defective. The user assumes all risks and liability resulting from the use of this product.