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Architectural Concrete Solutions

BOMANITE REPAIR MORTAR FA FAST SET

Technical Bulletin

Bomanite Repair Mortar FA Fast Set is a rapid setting, two-component, polymer-modified, cementitious product intended for renovating qualified surfaces prior to the application of subsequent coatings or products. Bomanite Repair Mortar FA Fast Set is designed for applications requiring quick installation coupled with reduced substrate porosity, increased bond strength and reduced alkaline material transfer due to its high concentration of synthetic polymers and high-strength cements.

Bomanite Repair Mortar FA Fast Set is a tough, freeze-thaw and chloride-resistant topping that can be used under interior and exterior applications of other Bomanite Systems. Bomanite Repair Mortar FA Fast Set can be used as a high-strength repair underlay over concrete, high-strength gypsum flooring, terrazzo, steel or prepared tile as well as a multitude of other applications.

Bomanite Repair Mortar FA Fast Set can be installed from a single aggregate thickness to 1" thick if desired. Thicker applications over 3/8" are accomplished with the addition of washed 1/4" stone aggregate but recommended only for a small area due to the fast-setting nature of the product. Consult The Bomanite Company for the specification of more appropriate products for large high-build applications such as Bomanite Repair Mortar Regular Set. Bomanite Repair Mortar FA Fast Set is a fluid product designed to be squeegee or trowel applied – consult Bomanite Repair Mortar Regular Set for applications requiring a product designed for pitching or sloping.

Bomanite Repair Mortar FA Fast Set can be walked on in ideal conditions two to three hours after placement, with the application of a non-breathable system typically within six hours for every 1/4" of installed product. As with all Bomanite Systems, testing of the Moisture Vapor Transmission (MVT) and assessment of substrate qualities prior to the installation of Bomanite Repair Mortar FA Fast Set over concrete is a necessity.

Bomanite Repair Mortar FA Fast Set is a rapid setting product. For comparable applications requiring a product with longer work times and slower drying, consult the Bomanite Repair Mortar MP Regular Set Technical Bulletin and Application Guideline.

FEATURES AND BENEFITS:

Rapid installation – self-hydrating
Excellent adhesion
Freeze-thaw resistant for exterior applications
Sets even in cool conditions

Compatible with most adhesives
Contains no solvents
Light gray color to reduce heat absorption
High compressive strength and abrasion resistance

GENERAL INFORMATION:

Color

Light concrete gray.

Packaging

Bomanite Repair Mortar FA Fast Set dry powder is available in a 40-pound bag.

Coverage Rates

Bomanite Repair Mortar FA Fast Set is applied at a rate of approximately 200 square feet at scratch coat thickness or 18 square feet at 1/4" thickness per mixed 40-pound bag.

Mix Ratio

One gallon of Bomanite CSB Liquid Polymer to one 40-pound bag of Bomanite Repair Mortar FA Fast Set dry powder. *Bomanite Repair Mortar FA Fast Set uses Bomanite CSB Liquid Polymer as the mixing liquid. Consult the Bomanite CSB Liquid Polymer Technical Bulletin / Application Guideline for detailed information.*

Storage and Shelf Life

Approximately one year for Bomanite Repair Mortar FA Fast Set powder if stored in dry, cool conditions. *Bomanite CSB Liquid Polymer has good freeze thaw stability and if frozen during transport can be thawed slowly prior to use a maximum of two times. Protect from freezing during long term storage – store between 40 °F and 70 °F for optimal shelf life.*

Product Data (Standard)

Dry Weight at 1/8"	1.3 pounds per sq. ft.	Adhesion Up to 1/8" thick (Shear from steel plate) 186 psi
Compressive Strength ASTM C-109	1 day – 3,500 psi 7 day – 4,000 psi 28 day – 5,000 psi	Adhesion Up to 1/4" thick (Shear from steel plate) 116 psi
Tensile Strength ASTM C-307	865 psi	Impact Resistance (2 lb. steel ball dropped from 8-foot height samples on steel plate) No cracking or loss of adhesion
Flexural Strength ASTM C-580	1,200 psi	Indentation at up to 1/8" .026" Indentation at up to 1/4" .045"
Bond Strength (in Shear)	155 psi	

Limitations

- Primarily for horizontal surfaces
- Hairline or haze cracks can occur from movement in the substrate
- Can not be applied over expansion joints or working cracks
- All construction joints, expansion joints and open joints must be honored
- Designed to receive a finish coating or sealer treatment for optimal durability

Warranty

This product is warranted to be of uniform quality within manufacturing tolerances. Since control is not exercised over its use, no warranty, expressed or implied, is made as to the effects of such use. Seller and manufacturer obligations under this warranty shall be limited to refunding the purchase price of that portion of the material proven to be defective. The user assumes all other risks and liabilities resulting from use of this product.

Additional product information, technical bulletins and specifications are available online at www.bomanite.com or through one of our Bomanite Licensed Contractors. For additional assistance with specifications or technical issues, contact The Bomanite Company.