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Architectural Concrete Solutions

BOMANITE REPAIR MORTAR MP REGULAR SET

Technical Bulletin

Bomanite Repair Mortar MP Regular Set is a two-component, polymer-modified, cementitious product intended for renovating qualified surfaces prior to the application of subsequent coatings or products. Bomanite Repair Mortar MP Regular Set is designed for applications requiring 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 MP Regular 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 MP Regular 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 MP Regular 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. Bomanite Repair Mortar MP Regular 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 MP Regular Set can be walked on in ideal conditions three to six hours after placement, with the application of a non-breathable system typically within 18 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 MP Regular Set over concrete is a necessity.

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

FEATURES AND BENEFITS:

- *Longer work time*
 - *Excellent adhesion*
 - *Freeze-thaw resistant for exterior applications*
 - *Broad application temperature range*
 - *Compatible with most adhesives*
 - *Contains no solvents*
 - *Light gray color to reduce heat absorption*
 - *High compressive strength and abrasion resistance*
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GENERAL INFORMATION:

Color

Light concrete gray.

Packaging

Bomanite Repair Mortar MP Regular Set dry powder is available in a 40-pound bag.

Coverage Rates

Bomanite Repair Mortar MP Regular 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 MP Regular Set dry powder. *Bomanite Repair Mortar MP Regular Set uses Bomanite CSB Liquid Polymer as the mixing liquid. Consult the Bomanite CSB Liquid Polymer Technical Bulletin / Application Guideline for detailed information.*

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Storage and Shelf Life

Approximately one year for Bomanite Repair Mortar MP Regular 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) 193 psi
Compressive Strength ASTM C-109	1 day – 1,200 psi 7 day – 3,500 psi 28 day – 4,800 psi	Adhesion Up to 1/4" thick (Shear from steel plate) 122 psi
Tensile Strength ASTM C-307	873 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	1,240 psi	Indentation at up to 1/8" .023" Indentation at up to 1/4" .042"
Bond Strength (in Shear)	156 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.