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BOMANITE WATERPROOF MEMBRANE

Technical Bulletin

Bomanite Waterproof Membrane is a unique polymer emulsion waterproofing compound designed for all Bomanite Topping Systems where waterproofing and crack isolation is required. Bomanite Waterproof Membrane is recommended for use between bonded or un-bonded topping slabs, properly prepared over wood applications or other situations where slab cracking and movement is an issue. In addition to Bomanite Topping Systems, Bomanite Waterproof Membrane may be used for crack isolation and/or waterproofing for other products such as seamless polymeric floors, tile, dimensional stone and other floor coverings may be applied to Bomanite Waterproof membrane.

Bomanite Waterproof Membrane is based on styrene butadiene latex that dries to form a tough, water and vapor resistant film. The chemistry is such that it bonds tenaciously to and in turn by other Bomanite repair products based on a similar polymer admixture. Bomanite Waterproof Membrane is water-based, environmentally friendly, solvent free and totally free of volatile organic content (VOC). Laboratory tests have established that Bomanite Waterproof Membrane will remain pliable at temperatures as low as -15 °F and still maintain its crack bridging properties. This makes it an excellent choice for exterior applications in cold climates.

Applied by roller, trowel, spray or squeegee, Bomanite Waterproof Membrane is typically applied in three coats totaling 25-40 mils Dry Film Thickness (DFT) sandwiched between layers of Bomanite Repair Mortar MP Regular Set or Bomanite Repair Mortar FA Fast Set. The Repair Mortar improves adhesion to the base concrete while filling any deficiencies in the slab profile such as chips, spalls or cracks that would compromise the membrane installation. The top coat of Repair Mortar provides the initial layer of protection to the membrane and provides an excellent substrate for subsequent toppings or floor coverings.

For critical applications such as exterior over living space or as a moving crack suppression system where a Bomanite topping is to be the final wear surface, the Bomanite Waterproof Membrane is fabric reinforced with Bomanite Poly Fabric. This will provide a membrane/fabric build of approx. 60 mils DFT.

FEATURES AND BENEFITS:

- *Forms a monolithic, tightly adhering, molded membrane*
- *Environmentally safe, water based formulation*
- *Zero VOC – SCAQMD compliant*
- *Reduces reflective cracking caused by substrate movement*
- *Mild odor for interior applications*
- *Thin section does not interfere with building elevations*
- *Easily applied to irregular shapes*
- *Relatively quick drying*

GENERAL INFORMATION:

Product Data

Hydrostatic Resistance

ASTM D-751 Procedure B.....Passes

Elongation

ASTM D-638..... 550% to 740%

Tensile Strength

ASTM D-638.....Test Average 420 psi

Bacteria and Fungus Resistance

ASTM G-22.....No Growth

Adhesion to Repair Mortar FA and MP

400 PSI – Cohesive substrate failure

Moisture Vapor Transmission

ASTM E-96.....0.085 g/m²/24hours

Crack-Bridging

ASTM E-836 sec 5.7: No cracks – no rupture

Hydrostatic Resistance

ASTM D-751 Procedure BPasses

Permeability

ASTM E-96..... 0.012 perm/inches

Limitations

- Not recommended over expansion joints or seismic joints
- Non-breathable. Not for use on slab on grade applications or over concrete exhibiting high moisture contents or high vapor transmission conditions.

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 such 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.

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.