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Architectural Concrete Solutions

Technical Bulletin

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BOMANITE FLEXIBLE MEMBRANE

PRODUCT DESCRIPTION

A) Composition and Typical Uses

Bomanite Flexible Membrane is a polyurethane-modified epoxy resin designed to provide crack reduction, crack isolation, control joint filler and waterproofing under various decorative concrete polymer-modified cementitious overlay systems, such as Bomanite Micro-Top, Bomanite Micro-Top XT, Bomanite Thin-Set II and Bomanite Self Leveler. Bomanite Flexible Membrane can be utilized over prepared concrete, wood and metal substrates in both new construction and renovation. Bomanite Flexible Membrane treatment eliminates unsightly “caulk joints” and helps to provide a completely seamless flooring system. Bomanite Flexible Membrane may be used to fill and seal expansion joints on temperature-stable decks where expansion and contraction is minimal.

B) Advantages and Limitations

Advantages

- Flexible polyurethane
- Can be applied over new and existing surfaces

Limitations

- Must be used on stable substrate (i.e. structurally sound concrete free of large “working” cracks, settling, scaling, and flaking)
- Can not be used in freezing temperatures
- Must be applied to dry surfaces

PHYSICAL CHARACTERISTICS AND PRODUCT DESCRIPTION

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|--------------------|-------------|
| Tensile Strength | 1,500 psi |
| Tensile Modulus | 17,150 psi |
| Tensile Elongation | 96% |
| Tear Strength | 120 lb./in. |

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.