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BOMANITE EPO-CLEAR II

Technical Bulletin

Bomanite Epo-Clear II is a thin film, two-component, water-clear epoxy resin typically used as a coating for decorative concrete and toppings (both polymeric and cementitious). This product can be applied over other properly prepared substrates, including metal and wood with additional preparation. Bomanite Epo-Clear II adds durability and ease of maintenance to projects where long-lasting protection is required.

Bomanite Epo-Clear II is typically used for retail, institutional and commercial applications where the floors are subject to heavy foot traffic or moderate industrial traffic. Bomanite Epo-Clear II can be incorporated into quartz broadcast flooring, trowel method flooring or flake broadcast flooring. It can also be used as a clear coating. Bomanite Epo-Clear II can be rolled up or formed into an integral cove base, ranging from a smooth finish to a highly textured, anti-slip finish. It is typically applied from 6 mils to 125 mils (1/8-inch thick) dependant upon application and may be used as a high-build primer for Bomanite Florthane SB or Bomanite Florthane WB Matte applications. Bomanite Epo-Clear II is 100% solids, using no VOCs in the formulation.

FEATURES AND BENEFITS:

- Can be used as clear coat or high-build primer
- Low maintenance
- Produces a decorative, seamless floor coating
- Resistant to many chemicals

GENERAL INFORMATION:

Colors

Clear

Product Data

Compressive Strength

ASTM D-695 (Resin Components) 12,900 psi

Surface Hardness

ASTM D-2240 (Durometer) Scale "D" 85

Indentation Characteristics

(Impacted Load)

MIL-D-3134, Para. 4.7.4.2.1

(2,000 lbs. on 1" steel ram imposed for 30 minutes concrete substrate)

0.005" indent

Indentation Characteristics

(Impacted Load)

MIL-D-3134, Para. 4.7.3

(2 lb. steel ball dropped from an 8-foot height)

0.011" indentation

Adhesion – ACI Committee 503.1

Greater than 345 psi (100% failure in concrete)

Adhesion – ACI Committee 403

(Bulletin Title No. 59-43, pp. 1139-1141)

(100% failure in concrete) 345 psi

Tensile Strength

ASTM D-638 (Resin Components)

4,400 psi

Abrasion Resistance

ASTM C-501 (H22 Wheel) 19 Wear Index

Elongation

ASTM D-638 (Resin Components)

19.6%

Water Absorption

MIL-D-3134

Less than 1%

Slip Resistance

Varies depending on surface texture

Maintenance

Scrub regularly with ordinary detergents. Rinse with clean water. Maintenance cycles will be determined by type and degree of usage. After period of sustained abrasive wear, floor may require refinishing. Consult Bomanite Maintenance Schedules for detailed maintenance instructions.

Limitations

- Subsurface cracks due to continued concrete shrinkage, thermal flexing, or building settlement may reflect floor cracks
- Surface requires careful preparation and must be free of contamination that might cause bond failure
- Not recommended for exterior applications
- Nonbreathable and may require a moisture-reduction system prior to installation

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.