



Your Single Source For Innovative Architectural Concrete Solutions

BOMANITE EPO-COAT CR

Technical Bulletin

Bomanite Epo-Coat CR is a two-component epoxy resin coating based on specialized novolac technology that is highly resistant to heat and chemicals. Bomanite Epo-Coat CR can withstand high temperatures of up to 250 °F, while typical epoxy coatings can degrade at sustained temperatures in excess of 150 °F. Bomanite Epo-Coat CR is typically applied from 20 mils to ¼" in thickness, and can range from a smooth finish to a highly textured, anti-slip finish. Bomanite Epo-Coat CR is 100 percent solids, using no VOCs in the formulation.

Bomanite Epo-Coat CR adds durability and ease of maintenance to various industrial applications where resistance to acids, alkalis and solvents is required. Bomanite Epo-Coat CR is typically utilized for institutional and commercial applications such as storage areas for chemicals, solvents or batteries; manufacturing areas where solvents and oils are used; or food preparation areas with hot water exposure, etc. Bomanite Flexible Membrane can be utilized under the Bomanite Epo-Coat CR system for crack isolation, secondary containment and waterproofing applications. Consult the Bomanite Flexible Membrane Technical Bulletin and Application Guideline for details.

FEATURES AND BENEFITS:

- Can be installed in a seamless fashion
- Excellent chemical resistance
- Heat resistant
- Slip resistant when used in conjunction with anti-slip additives
- Low maintenance, built to take repeat scrubbing

GENERAL INFORMATION:

Colors

Standard range of colors. Consult The Bomanite Company's Technical Services Department for information on available colors.

Product Data

Compressive Strength

ASTM D-695 (Resin Components) 8,740 psi

Surface Hardness

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

Indentation Characteristics

(Impacted Load)

MIL-D-3134, Para. 4.7.3

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

0.023" indentation

No loss of bond, cracking or chipping exhibited.

Adhesion – ACI Committee 503.1

Greater than 345 psi (100% failure in concrete)

Tensile Strength

ASTM D-638 (Resin Components) 4,150 psi

Abrasion Resistance

ASTM D-1044

10 Wear Index

Water Absorption

MIL-D-3134

Less than 1%

Slip Resistance

Varies depending on surface texture

Maintenance

Maintenance cycles will be determined by type and degree of usage. After period of sustained abrasive wear, floor may require refinishing. Consult the Bomanite General Guidelines Maintenance Schedule and product specific Bomanite Maintenance Schedules for maintenance procedures appropriate to the topping or coating selected.

Limitations

- If subsurface cracks due to continued concrete shrinkage, thermal flexing or building settlement, floor may reflect those cracks
- Surface requires careful preparation and must be free of contamination that might cause bond failure.
- Not recommended for exterior applications.

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.