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BOMANITE FLORSPARTIC 100

Technical Bulletin

Bomanite Florspartic 100 is a fast-curing two-part polyaspartic aliphatic polyurea sealer/finish coating for both decorative and protective applications. Being self-priming, the material is applied in single or multiple coats by brush, roller or squeegee of varying thicknesses to a variety of substrates including concrete, wood and metal. It can be applied over decorative concrete surfaces such as stained, ground concrete, polymer-modified cementitious overlayers, or employed within seamless multi-build paint chip/quartz flooring systems. Important characteristics of Bomanite Florspartic 100 include its outstanding penetration and bond strength, UV resistance and excellent color/gloss retention.

Bomanite Florspartic 100 provides excellent impact, abrasion, and chemical resistance characteristics, with flexible properties. Suitable for high traffic interior or exterior applications, the material is ideal for clear topcoat sealer applications over decorative concrete, walkways, commercial applications, industrial facilities, swimming pool decks and garage floors. With zero VOC's, Bomanite Florspartic 100 has been formulated to be utilized at 100% solids or optionally reduced with green solvents for environmentally sensitive projects. Bomanite Florspartic 100 can be utilized for USDA applications, tolerate incidental heat contact to 300 degrees Fahrenheit and is compatible with Bomanite Surtrac anti-slip additive for improved co-efficient of friction.

FEATURES AND BENEFITS:

- Excellent substrate penetration and bond strength
- Excellent abrasion, impact, and wear resistance
- UV-resistant; optical clarity of clear sealer/finish
- Recoat time, 1-2 hour walk on time
- Low temperature cure (-30°F/-34°C)
- Excellent chemical and stain resistance, including Skydrol resistance

GENERAL INFORMATION:

Colors

Bomanite Florspartic 100 is available in 2-levels of sheen for clear sealers/finish topcoats (Semi-Gloss and High Gloss) and a wide range of colors. 12 standard colors along with Black and White (not shown on the color chart) are available to choose from on the Bomanite Florspartic 100 Standard Color Chart. For additional color options reference the Bomanite Coloration Systems Standard Color Chart or select the desired color from a Pantone Guide or equal. Colors not found on the Bomanite Florspartic 100 Standard Color Chart require additional lead time to color match (if required) and produce.

Product Data

Type of Material: Polyaspartic Aliphatic Polyurea

VOC Content: 0.0 lb/gal (0.0) g/L) to 0(zero) VOC content

Recommended Dry Film Thickness: 2 to 6 mils per coat

Shelf Life: 12 months unopened.
Store at 40°F to 100°F in a covered area (out of the sun)

Pot Life:* 25 to 30 minutes

Minimum Recoat:* 1-Hour, minimum
Maximum Recoat:* 48 hours (contact manufacturer)

Light Foot Traffic:* 1 to 2 hours minimum

Mixing Ratio: 1.0 part A; 1.0 part B

Tensile Strength: ASTM D 638: 4,500 to 5,000 psi

Impact Resistance: Direct/Reverse 160/160

Falling Sand Abrasion Resistance ASTM D 968:
Clear.....30 liters sand/1 dry mil
Pigmented.....38 liters sand/1 dry mil

Mandrel Bend, ASTM D 522:
Passes, no cracking, 1/8" mandrel bend

Theoretical Coverage @ 72% Volume Solids:
1 mil DFT.....1,155 ft²
2 mil DFT.....577 ft²
3 mil DFT.....385 ft²
4 mil DFT.....289 ft²
5 mil DFT.....231 ft²
6 mil DFT.....193 ft²

Maintenance

This will vary depending on a number of factors including volume and intensity of traffic, geographic location and weather conditions. For instance, interior applications will require a different routine maintenance program than exterior products. Residential applications typically require less cleaning and maintenance than commercial and municipal projects. In large interior commercial applications, a qualified floor maintenance contractor is recommended for routine cleaning. Consult the Bomanite General Guidelines Maintenance Schedule and product specific Bomanite Maintenance Schedules for appropriate maintenance procedures.

Limitations

- Do not install as a topcoat over other resin based products without consulting Bomanite technical services.
- Correct surface preparation is mandatory – bead blasting, diamond grinding or etching is necessary prior to application over concrete.
- Polymer modified cementitious toppings such as, but not limited to Bomanite Thin-Set or Micro-Top must be clean and dry with no surface contaminants such as liquid release present.
- Cure times may vary depending on ambient temperatures and humidity

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.