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## **BOMANITE FLORTHANE WB**

### **Technical Bulletin and Application Guideline**

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Bomanite Florthane WB is a thin film, two-component, water-clear urethane typically used as a coating for decorative concrete and toppings (both polymeric and cementitious) or masonry. Bomanite Florthane WB adds durability and ease of maintenance to projects where long-lasting protection is required. Bomanite Florthane WB is chemically resistant, highly durable, and will accept foot traffic under normal conditions within 12-24 hours of application. The low odor formula will allow application without disruption of normal operations, which is ideal for areas where solvent odors from traditional epoxy or polyurethane coatings are not tolerated.

Bomanite Florthane WB is typically used for retail, institutional and commercial applications where the floors are subject to heavy foot traffic or moderate industrial traffic. Bomanite Florthane WB will enhance the substrate color in a fashion similar to solvent based acrylic sealers and can have a gloss or matte finish and can be maintained with traditional floor finishes. Bomanite Florthane WB can be applied to properly prepared epoxies such as Bomanite Epo-Clear II. Consult Bomanite Technical Services for more information.

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#### **FEATURES AND BENEFITS:**

- **Matte finish for natural appearance**
- **Low maintenance finish**
- **Can be used for select exterior applications**
- **Low odor during application**
- **Resistant to many chemicals**
- **Excellent water resistance**

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#### **GENERAL INFORMATION:**

##### **Colors**

Clear when cured – not able to be tinted.

##### **Coverage Rates**

Will vary with porosity of substrate but will average 200 - 300 square feet per gallon/coat. Bomanite Florthane WB should not be applied at film thicknesses greater than 5 mils wet (3 mils dry) per coat.

Do not over apply Bomanite Florthane WB. Coverage for most surfaces should be at least 200 square feet per gallon. If product is over applied, bubbling or foaming in the finished coat may occur.

If applying to extremely porous surface (e.g., bead-blasted concrete), pre-test in an inconspicuous area to determine adequate coverage and number of coats required.

For adequate protection on porous surfaces, at least two coats should be applied. The second (or additional) coat(s) may be applied within four to eight hours after the first (or previous) coat(s) to assure proper adhesion.

##### **Packaging**

1 gallon kit – makes 1 finished gallon ( 8 lb.)

5 gallon kit – makes 5 finished gallons (41 lb.)

### **Storage and Shelf Life**

Approximately one year from date of manufacture.

### **Product Data**

|                           |  |
|---------------------------|--|
| Solids Content:           | 60 % by weight   |
| Mix Ratio:                | 4 Part A:1 Part B by volume Gloss<br>4 Part A:1 Part B by volume Matte |
| Co-efficient of Friction: | >0.5   |
| Flash Point:              | N/A  |
| VOC:                      | <50 grams per liter  |

Dry times @ 73 °F and 50% RH:

Recoat 4-8 hours  
Light Traffic 24 hours  
Heavy Traffic 24-48 hours

### **Surface Preparation**

Surfaces shall be dry, structurally sound, clean and free of dirt, grime and other foreign substances. If stripping of old sealer is necessary, use BomaSeal Stripper or consult Bomanite Technical Representative. Cleaning of concrete and masonry should be performed using a solution of one part Bomanite Concrete Degreaser per eight parts water, scrubbing with a mechanical scrubber equipped with a scrubbing brush or pad. Concrete floors (e.g., hangars, warehouses, garages) must be mechanically profiled to a CSP 2 or greater, or etched with one part Bomanite Con-Clean diluted with four parts water, followed by neutralization with two ounces of Bomanite Concrete Degreaser per gallon of water. Rinse thoroughly and allow to dry before application. If applying over existing Bomanite Florthane WB or a Bomanite epoxy such as Bomanite Epo-Clear II, sand surface with a 120-grit screen disk under a white buff pad on a slow speed floor maintainer followed by cleaning with Bomanite Floor Cleaner diluted to two ounces per gallon of water. Rinse thoroughly and allow to dry before application.

### **Mixing Instructions**

**Mixing instructions must be strictly adhered to.** Mix the complete contents of Part A (resin) and Part B (cure) in an open container. For small quantities, the mix ratio is as follows:

Gloss: 4 parts A to 1 part B

Matte : 4 parts A to 1 part B

Mix well with Jiffy Mixer or other mechanical mixer until thoroughly mixed before using. DO NOT mix more than can be used in a 45-minute period. Clean up overspray and equipment before the Bomanite Florthane WB dries with Bomanite Concrete Degreaser diluted two ounces per gallon of water.

### **Application**

The Bomanite Florthane WB should be applied with a good quality short nap (1/4 inch or 3/8 inch) roller for smooth surfaces, and a heavy nap (1/2 inch or 3/4 inch) roller for rough surfaces such as textured concrete. Material should not be applied if surface or ambient temperature is above 90 °F or below 50 °F, or if the temperature is expected to fall below freezing (32 °F) within the 24 hour curing cycle.

### **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**

- Surface requires careful preparation and must be free of contamination that might cause bond failure.
- Non-breathable 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](http://www.bomanite.com) or through one of our Bomanite Licensed Contractors. For additional assistance with specifications or technical issues, contact The Bomanite Company.**