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BOMANITE XP PRIMER WB

Technical Bulletin

Bomanite XP Primer WB is a versatile, two-component clear water-based epoxy resin designed specifically to be used as primer/coating under a variety of Bomanite products. Bomanite XP Primer WB is formulated without solvents and engineered to improve bond strength while reducing vapor drive from the substrate along with the associated pin-holing. Bomanite XP Primer WB will provide additional working time needed for the installation of cementitious toppings and will help improve flow and leveling for other two-component high performance coatings.

Bomanite XP Primer WB can also be used as a top-coat sealer on non UV sensitive applications provided it is further treated with Bomanite or other floor finish maintenance products. Bomanite XP Primer WB is milky white after mixing, has a long pot life and dries to a clear, glossy sheen. Bomanite XP Primer WB can be tinted in a range of colors and may be broadcasted into with fine aggregate at different rates of coverage prior to the installation of cementitious and polymeric toppings or seamless resin-based flooring systems. Bomanite XP Primer WB is applied over shot-blasted or coarse ground concrete substrates (ICRI CSP 2 or greater) or prepared toppings.

FEATURES AND BENEFITS:

- Long pot life (2 hours)
- Medium curing speed
- Low odor, water-based, water-dilutable formulation
- Reduces negative side moisture transmission
- Can be applied to damp surfaces
- Less than 100 g/l VOC – SCAQMD compliant
- Improves bond of toppings and coatings
- Simple 1:1 mix ratio

GENERAL INFORMATION:

Product Data

Before Mixing

Physical state Liquid
 Color Clear 'A'; Amber 'B'

Mixed

Mixing ratio 1 part 'A' component to 1 part 'B' component
 Application temperature range 50 °F to 95 °F
 Pot life 73° F 120 minutes
 Final set at 73 °F Typically 4-6 hours
 Time required before installation – water-based product 1/2 to 36 hours
 Time required before installation – 100% solids epoxy 6 to 36 hours
 Time required before installation – solvent-based urethane 12 to 48 hours

Abrasion Resistance 170 grams of loss

Weight % of solids 80%

Adhesion to prepared concrete >500 PSI –Cohesive substrate failure

Colors

Bomanite XP Primer WB is generally applied in its clear state. Colors are available as found on the Bomanite Classic Color Chart.

Coverage Rates

Coverage rates will vary from 160 to 300 square feet per gallon. Contact your Bomanite Licensee for coverage rates specific to your job.

Packaging

Bomanite XP Primer WB is available in 2-gallon kits.

Storage and Shelf Life

Bomanite XP Primer WB has a shelf life of approximately 24 months when properly stored. Store in unopened packaging in a clean, dry area protected from sunlight and freezing (between 50 to 90 °F).

Basic Application Information

Bomanite XP Primer WB is installed exclusively by Bomanite Licensees. The following technical information is a summary to aid in the understanding of the application process. Consult the Bomanite XP Primer WB Application Guideline for complete details.

As a wet primer under cementitious bonded toppings

1. Grind or shot-blast concrete slab.
2. Dilute Bomanite XP Primer WB 50% with water.
3. Apply primer to substrate.
4. Install topping 15 to 60 minutes after the primer has gone clear but while still tacky.

As a primer with surface profile under cementitious bonded toppings

1. Grind or shot-blast concrete slab.
2. Dilute Bomanite XP Primer WB 10% with water.
3. Apply primer in a heavy 10 wet mil thickness (160 square feet per gallon) to substrate.
4. Broadcast 30 mesh clean and dry washed sand to rejection.
5. After full cure remove loose sand from surface
6. Dilute Bomanite XP Primer WB 50% with water.
7. Apply primer to previously coated substrate.
8. Install topping 15 to 60 minutes after the primer has gone clear but while still tacky.

As a dry primer under high performance coatings Bomanite XP Primer WB FC is the preferred primer for this application

1. Grind or shot-blast concrete slab.
2. Apply Bomanite XP Primer WB to substrate.
3. Install high performance coating in correct window of re-coat.

As a sealer under maintenance finishes

1. Prepare substrate.
2. Dilute Bomanite XP Primer WB 50% with water.
3. Apply first diluted coat to substrate.
4. Dilute Bomanite XP Primer WB 50% with water.
5. Apply second diluted coat to substrate.
6. Install maintenance finish in correct window of re-coat.

Cautions

- Read and observe precautionary statements on product label and MSDS.
- Keep out of reach of children.
- Avoid contact with eyes. Wear suitable protective eyewear. Flush eyes with large quantities of water.
- Avoid prolonged or repeated contact with skin. Wear suitable gloves and protective clothing. Wash exposed skin with soap and water.
- Do not breathe dust from surface preparation. In case of insufficient ventilation, wear suitable respiratory equipment. If breathing is difficult, move person to fresh air.
- Wash soiled clothing before reuse.

Limitations

- Do not use material if packaging is damaged.
- Do not use in areas exposed to substantial UV light.
- Not recommended as a sealer for exterior applications.
- Pot life expiration is not visually determinable – dispose of all unused product after 2 hours
- New concrete must have a 28-day cure prior to use as a primer or light duty coating

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.