



Item# PB2 Revised: 11/5/2010

Water Based Epoxy Primer

Description

A new technology available by Epoxytec - waterborne epoxy primer for use over properly prepared masonry or wood surfaces. Designed as a primer over dry or damp surfaces prior to the application of epoxy and/or urethane topcoats. Can also be used as a standalone protective sealer. It is no longer necessary to endure the odor, toxicity exposure, and fire hazards of typical solvent-borne two pack epoxy finishes to obtain the performance characteristics of such coatings. Utilization of B2 Primer™ provides the combination of high performance with low hazard.

Typical Uses

Mainly, but not limited to, applications for- concrete floors, concrete or brick walls, suitable for any similar architectural or structural concrete or wood application.

Sealing and chemical resistance enhancement.

Features

- "Green" - no VOCs
- Long pot life
- Surface & moisture tolerant
- Easy to apply by roller, brush or spray
- Upgrade existing coating

Film Thickness

B2 Primer™ can be a single coat or multiple coat system.

B2 Primer™ can be applied onto a cementitious surface at 4 mils WFT / 2 mils DFT (minimum) per coat. For a total coating thickness exceeding 2 mils DFT, multiple coats are necessary.

Theoretical Coverage

B2 Primer™ is a 45% solid coating.

Therefore, the theoretical coverage properties between wet film thickness (WFT) and dry film thickness (DFT) change. Three-hundred and fifty-five (355) square feet (sq.ft.) per gallon (gal.) at 2 mils DFT. Actual coverage will depend on surface conditions, irregularities, and surface profile.

Surface Preparation

The success of any coating application is directly proportional to the completeness of the substrate preparation and the care the application crew puts into the application. Surface must be clean and sound. Remove all dust, contaminants, grease, curing compounds, rust, impregnation, waxes, foreign particles, and disintegrated materials from the surface, in order to achieve a clean and profiled surface.

Concrete: Prepare the concrete by abrasive blasting, high pressure water cleaning, and/or approved mechanical method to achieve clean, sound, and profiled concrete. Prepare concrete in accordance with SSPC-SP 13/NACE No. 6. "Surface Preparation of Concrete."

Wood: Remove all grease, oil, dirt or other foreign matter by solvent or detergent washing. Prepare wood surface by abrasive sanding and washing.

Application Method

Mixing: Material is supplied in 2 containers as a unit. Always mix a complete unit as supplied (3B to 1A by volume). Thoroughly mix B Component before adding A Component. Combine entire contents of Part A and Part B and mix thoroughly with a Jiffy Mixer or equal for 3-5 minutes.

B2 Primer™ can be applied directly to most conventional surfaces or coatings with no need for an intermediate coating. This allows the user to upgrade the chemical and solvent resistance, as well as the impermeability of a surface or coating with no fear of lifting or poor adhesion to old coatings.

Induction Time: None required.

Equipment - Spray: DeVilbiss MBC-510 gun; E tip and 704 air cap; 3/8" ID material hose; double regulated pressure tank with oil and moisture separator. Airless Spray: minimum 28:1 ratio pump; .013" - .017" orifice tip; 1/4" ID Teflon material hose; 90-100 PSI line pressure. To obtain maximum edge protection and film build, conventional or airless spray is recommended. Thoroughly flush equipment with water.



<Application Method – cont>

Equipment - Roller: Application by other methods, brush or roll, may require more than one coat. Apply B2 Primer™ at 4.0 mils wet which will yield 2.0 mils dry film thickness. Short nap roller cover. Dynel recommended.

Thinning

Epoxytec does not advise thinning B2 Primer™.

Storage and handling

- Shelf Life 18 months, sealed.
- Storage: Store in a dry area away from direct sunlight. The product should be conditioned to between 40 °F and 85 °F before use.

Safety

Consult the current “Material Safety Data Sheet” for this product before use.

Limitations

Apply in good weather when air and surface temperatures are between 50°F and 100°F. Keep from freezing.

Packaging & Color

- 5 Gallon Kit (pails) Item# PB2-G5 (grey-to-clear)
- 1 Gallon Kit (pails) Item# PB2-G1 (grey-to-clear)

Application Drying Time (hrs.)75 °F

| | |
|-----------------|---------|
| To touch | 0.75 hr |
| To handle | 4.00 hr |
| Cure | 1 hr |
| Overcoat window | 1-48 hr |
| Pot life | 1-2 hr |

Physical Properties

| | |
|----------------------------|------------------|
| Finish | Gloss |
| Type | Waterborne epoxy |
| Mix Ratio | 3B to 1A |
| Volume Solids (ASTM D2697) | 45% |
| VOC, gm/l (ASTM D3960) | 0 |
| Total Weight Volume, % | 47.7 |



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