



B-2PRIMER

moisture tolerant waterborne epoxy primer

A new technology waterborne epoxy primer for use over properly prepared masonry surfaces. Designed as a primer over dry and damp concrete surfaces prior to the application of epoxy and urethane topcoats. Can also be used alone as a protective concrete sealer.

It is no longer necessary to endure the odor, toxicity exposure and fire hazards of typical solvent-borne 2 pack epoxy finishes to obtain the unique performance characteristics of such finishes. Through the use of B-2 Primer, the combination of high performance and low hazard application can now be achieved.

BENEFITS:

- Long Pot-Life
- Excellent sealing over fresh concrete and damp masonry.
- Solvent resistance comparable to solvent based epoxy systems.
- Low Odor - reduces the need to relocate personnel during paint application.
- 0 VOC - allows applicators to conform to government regulations.
- Excellent resistance to chemicals, staining & solvents.
- Easy water clean-up.
- Improved brushing qualities.

PROPERTIES:

Total weight volumet, %	47.7
Volume Solids,%	45
VOC, gm/l	0
Colors	Gray-clear

Recommended Thickness	2.0 mils dry, 4.0 mils wet
Theoretical Coverage	(2.0 mils DFT) 400 sq. ft./gal.
Method	Brush, roll, spray
Induction Time	None required
Thinner	water

APPLICATION CONSIDERATIONS:

General

Application is critical to the success of high performance coatings. It is imperative that the proper choice of equipment be made, that the proper technique in using the equipment be followed, and also that the equipment be properly cleaned. B-2 Primer can be applied directly to most conventional coatings with no need for an intermediate coating. This allows the user to upgrade the chemical and solvent resistance of a surface with no fear of lifting or poor adhesion to old coatings.

Induction Time: None required

Application

Drying Time (hrs.)	<u>F75°F</u>
• to touch	0.75
• to handle	4.00
• to recoat	8
Pot Life -	1-2

Limitations:

Apply in good weather when air and surface temperatures are above 50°F. Provide adequate ventilation to ensure thorough cure. Unmixed material (in closed containers) should be maintained in storage between 50° and 100°F. Keep from freezing.

Surface Preparation:

Paint only clean, dry surfaces. Remove all grease, oil, dirt or other foreign matter by solvent or detergent washing.

Unpainted Surfaces:

Prepare surface and prime with B-2 Primer. Apply one or more coats of B-2 Primer as required.

Concrete:

- (1) "Brush-Blast Cleaning (SSPC-SP7) can be used to prepare the concrete by removing all foreign matter and provide tooth for bonding. Remove all dust from surface before starting the application of the coating. B-2 Primer is recommended to prime and seal concrete.
- (2) "Water Blasting: Water Blasting equipment ,3500 psi tip pressure will remove laitance and provide suitable profile to assure good adhesion of B-2 Primer.

Previously Painted Surfaces:

Remove all rust, rust scale, other corrosion products, loose or heavy chalk and loose or scaling paint by "Hand or Power Tool Cleaning" (sspc-sp-2 or 3). Sand or brush blast any glossy areas until dull. Spot prime bare areas as recommended and apply one or more coats of B-2 Primer as specified. Check compatibility by applying coating to a representative area and allow to cure and age. Then make cross-hatched cuts through the coating and check adhesion by firmly applying masking tape to cross-hatched area and removing with a fast pull. If the coating remains intact and there is no wrinkling, lifting, blistering or any other sign of incompatibility present, coating work may then proceed.

Mixing:

Material is supplied in 2 containers as a unit. Always mix a complete unit as supplied (3B to 1A). 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 2-3 minutes.

Thinning:

Material is supplied at spray viscosity and normally needs no thinning. Thin only with amount necessary to obtain proper application and/or atomization (break-up) properties.

Application:

Apply by conventional or airless spray. Thoroughly flush equipment with water. To obtain maximum edge protection and film build, conventional or airless spray is recommended. Application by other methods, brush or roll, may require more than one coat. Apply B-2 Primer at 4.0 mils wet which will yield 2.0 mils dry film thickness.

Equipment:

Roller: short nap roller cover. Dynel recommended.

Conventional 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; 90-100PSI line pressure.

Safety:

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