

COR+GARD® B4 PRIMER Technical Data Sheet

MOISTURE TOLERANT 100% SOLIDS EPOXY PRIMER. A new technology epoxy primer for use over properly prepared masonry and steel surfaces. Designed as a primer over dry and damp surfaces prior to the application of epoxy and urethane topcoats. Can also be used alone as a protective 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 COR+GARD® B4 Primer, the combination of high performance and low hazard application can now be achieved.

BENEFITS

- Long Pot-Life
- Excellent sealing over steel, fresh concrete, and damp masonry.
- Solvent resistant comparable to solvent based epoxy systems.
- Low odor- reduces the need to relocate personnel during paint application.
- Zero VOC- allows applicators to conform to government regulations.
- Excellent resistance to chemicals, staining, & solvents.

PROPERTIES

Volume Solids, %	100
VOC, gm/l	0
Colors	Clear
Recommended Thickness	4.0 mils dry, 4.0 mils wet
Theoretical Coverage	(4.0 DFT) 200 sq. ft./gal
Method	Brush, roll, spray
Induction Time	None required

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. COR+GARD® B4 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.)	72° F
* to touch	0.75
* to handle	4.00
* to recoat	4.0-24.0
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°F and 100°F. Keep from freezing.

SURFACE PREPARATION

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

UNPAINTED SURFACES

Prepare surface and prime with COR+GARD® B4 Primer. Apply one or more coats of COR+GARD® B4 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. COR+GARD® B4 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 COR+GARD® B4 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 any glossy areas until dull. Spot prime bare areas as recommended and apply one or more coats of COR+GARD® B4 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 1-gallon containers. Always mix a complete unit as supplied (2 to 1). Thoroughly mix B Component before adding A Component. Combine extra 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 amount necessary to obtain proper application and/or atomization (break up) properties.

APPLICATION

Apply by conventional or airless spray. Thoroughly flush equipment with solvent. To obtain maximum edge protection and firm build, conventional or airless spray is recommended. Application by other methods, brush or roll, may require more than one coat. Apply COR+GARD® B4 Primer at 4.0 mils wet which will yield 4.0 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 “Safety Data Sheet” for this product before use.

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