

Ply-Guard EP (WB)

Ply-Guard EP (WB) is a two component, water-based epoxy system that features ease of application, very low odor, and excellent overall coating performance. This material cures blush-free over a wide range of temperatures and adheres tenaciously to a variety of substrates including damp or wet concrete.

Ply-Guard EP (WB) is used as a general purpose coating for concrete floors and as a primer under epoxy, polyurethane, and acrylic materials. The raw material package has a 30-year history of success as a concrete coating. Ply-Guard EP (WB) is recommended for coating warehouse and factory floors, automotive repair facilities, residential garage floors, and many other commercial and industrial maintenance applications. Due to its ease of application, Ply-Guard EP (WB) is an excellent choice for do-it-yourself floor coating projects.

Chemical Composition: Modified Bisphenol A epoxy resin crosslinked with a water soluble amine adduct.

Colors & Limitations

- Sixteen (16) Standard Colors, Plus Clear
- Exterior Pigmented Applications Will Show Chalking
- Exterior Clear Applications Are Not Recommended
- Acid-Etched Surfaces Must Be Thoroughly Rinsed Before Coating
- Not Recommended For Use Over Acid Stain

Technical Data: Physical Properties

Mix Ratio, by Volume:	4:1
Solids Content, by Weight, %:	51
Solids Content, by Volume, %:	43.5
Volatile Organic Compounds (VOC), gr./lt.:	50
Pot Life, 77°F, Hours:	2-3
Cure Times, 77°F:	
Dry To Touch, Hours:	2
Recoat, Hours:	12-18
Light Traffic, Hours:	18-24
Full Cure, Days:	7

Higher temperatures and lower humidity will accelerate cure times. Lower temperatures and high humidity will lengthen cure time.

Technical Bulletin

Properties Performance

Gloss, 60°:	85-90
Pencil Hardness, ASTM D3363:	F-H
Adhesion to Damp Concrete, ASTM D451:	

Concrete Fails Before Loss of Bond

Tabor Abrasion, 1000 gm. Load 1000 Cycles, CS-17 Wheel:

60-65 mg loss

Chemical & Stain Resistance

Coffee	No Effect
Vegetable Oil	No Effect
Mustard	No Effect
Whiskey	No Effect
Urine	No Effect
Trisodium Phosphate, 25% Solution	No Effect
Gasoline	No Effect
Motor Oil	No Effect
Brake Fluid	Slight Softening, Film Recovers
Transmission Fluid	No Effect
Mineral Spirits	No Effect
10% Sulphuric Acid	No Effect
10% Hydrochloric Acid	No Effect
10% Acetic Acid	No Effect
Xylene	Slight Softening, Film Recovers
MEK	Film Destroyed

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