



## 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 and can achieve a uniform coating thickness of 10-12 mils WFT.

Ply-Guard EP (WB) is recommended for coating:

- Warehouse and Factory Floors
- Automotive Repair Facilities
- Residential Garage Floors
- Other Commercial and Industrial Maintenance Applications

### Colors & Limitations

- Available in 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 Bulletin

### Physical Properties

Mix Ratio, by Volume: (A, B, and Potable Water):	4:1:1
Solids Content, by Weight, %:	51
Solids Content, by Volume, %:	43.5
Volatile Organic Compounds (VOC), gr./lt.:	50
Recommended Coverage Rate (ft <sup>2</sup> /gal.):	125-140
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
Initial Cure, Hours	24
Full Cure, Days:	7

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

### Properties Performance

Gloss, 60°:	85—90
Pencil Hardness, ASTM D3363:	F-H
Adhesion to Damp Concrete, ASTM D7234:	Concrete Fails Before
Loss of Bond	
Tabor Abrasion, 1000 gm. Load 1000 Cycles, CS-17 Wheel:	60—65 mg loss

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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 Re-covers
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 Re-covers
MEK	Film Destroyed

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