



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 (ft²/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

Limited Warranty: Polyset Company Inc. makes no warranty, expressed or implied, including any warranty of merchantability of fitness for a particular purpose. The sole remedy of Purchaser for any claim concerning this product, including, but not limited to, claims alleging breach of warranty, negligence, strict liability or otherwise, is the replacement of product or refund of the purchase price, at the discretion of Polyset Company Inc. Any claims concerning this product shall be submitted in writing within one year of the delivery date of this product to Purchaser and any claims not presented within that period are waived by Purchaser. IN NO EVENT SHALL POLYSET COMPANY INC. BE LIABLE FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL (INCLUDES LOSS OF PROFITS) OR PUNITIVE DAMAGES. Copyright © 2023 Polyset Company, Inc. All rights reserved. Revised 5/15/2024

Chemical & Stain Resistance (ASTM D1308 24 Hour Immersion)	
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

Limited Warranty: Polyset Company Inc. makes no warranty, expressed or implied, including any warranty of merchantability of fitness for a particular purpose. The sole remedy of Purchaser for any claim concerning this product, including, but not limited to, claims alleging breach of warranty, negligence, strict liability or otherwise, is the replacement of product or refund of the purchase price, at the discretion of Polyset Company Inc. Any claims concerning this product shall be submitted in writing within one year of the delivery date of this product to Purchaser and any claims not presented within that period are waived by Purchaser. IN NO EVENT SHALL POLYSET COMPANY INC. BE LIABLE FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL (INCLUDES LOSS OF PROFITS) OR PUNITIVE DAMAGES. Copyright © 2023 Polyset Company, Inc. All rights reserved. Revised 6/8/2023