

Low V.O.C., Water-Based Epoxy Primer/Sealer

Technical Bulletin # 2012A

Product Description

PS-100 WB is a two-component epoxy primer/sealer designed to increase the adhesion and coverage of American Safety Technologies flooring products on concrete, wood, tile and other porous substrates. The low odor and low VOC formula make it ideal for use in kitchens, hospitals, & beverage plants.

Easy to apply the **PS-100 WB** is abrasion resistant and resists most mild acids and alkalis, salts, gasoline and oils. It dries quickly, ensuring good adhesion with topcoats.

Surface Preparation

PS-100 WB can be applied to any clean, dry porous surface. It is not to be used on metal. Recommended methods of cleaning are as follows:

CONCRETE: New concrete should be wet cured for at least three days and allowed to dry with good ventilation for an additional thirty days. After proper curing, new floors must be swept clean and all contaminants which might interfere with the adhesion of the coating system including laitance, curing membranes, surface hardeners, greases and oils should be removed. An appropriate profile must be created using chemical or mechanical means such as portable shot blasting.

Chemical cleaning of laitance and loose particles can be accomplished by etching the surface with muriatic acid or a buffered acid solution. Follow acid manufacturer's application and safety instructions. After the acid has finished reacting with the concrete the residue should be removed by a liberal fresh water rinse or preferably by power washing. Allow the surface to dry completely.

NOTE: Acid etching will not remove oil, grease or wax. If the acid does not bubble or foam on the concrete the surface should be examined for films of oil, grease, wax, curing membranes, hardeners or other sealers. If such film is present, it must be removed.

PREVIOUSLY PAINTED SURFACES: The performance of American Safety Technologies coatings applied over previously painted surfaces is directly influenced by the type, age and condition of the old coating. Hard or glossy paints should be dulled by sanding, abrasive blasting or other abrasive methods to assure maximum adhesion.

A test patch should be applied to check for lifting or wrinkling of the old coating. If wrinkling or lifting occurs after overnight drying, remove the old coating.

WOOD FLOORS: Remove any weathered wood to expose a clean solid substrate. Smooth wood must be sanded to ensure proper mechanical bonding.

TILE AND FIBERGLASS: Glazed or ceramic tile and fiberglass must be sanded to completely remove all glazing to ensure a good mechanical bond. Remove any residual sanding dust by air blowing or wiping with alcohol.

Application Instructions

1. **PS-100 WB** is a two-part epoxy. Pour the hardener into the container of base material and mix thoroughly with a mechanical mixer such as a pneumatic drill motor with a Jiffy® mixing blade for 3 – 5 minutes. Apply by using a short nap roller or brush.
2. Apply primer with a short nap mohair paint type roller or brush. Apply uniformly. To spray airless, air assisted or conventional equipment may be used.
3. All American Safety Technologies topcoats can be successfully applied to a primed surface after 6 hours at 70°F (21°C).

Clean tools and spray equipment immediately after completing installation using soap and water.

IMPORTANT

Unlike conventional epoxies **PS-100 WB** will not harden in the can. It will remain liquid after its 2 hour potlife. Therefore, no material should be used 2 hours after mixing as it will not cure properly.

ITW POLYMERS COATINGS North America

130 Commerce Drive • Montgomeryville, PA 18936 • 215-855-8450 • Fax 215-855-4688

Specifications

V.O.C.:	1 lb per gal. (120 grams/liter)
VOLUME SOLIDS (%):	40%
POT LIFE:	2 hours @ 70°F (21°C)
WEIGHT PER GALLON:	8.8 lbs per gal. (1.1 kg./liter)
FLASH POINT:	None
DRY TIME:	To Recoat - 6 hours @ 70°F (21°C) Up to 7 days
ESTIMATED COVERAGE:	320 sq. ft./gal. (2 mils DFT)
PACKAGING:	1 gallon kits
SHELF-LIFE:	2 years in unopened container

Date February, 2013

General: Every reasonable effort is made to insure the technical information and recommendations on these data pages are true and accurate to the best of our knowledge at the date of issuance. However, this information is subject to change without notice. Prior versions of this publication are invalid with the release of this version. Products and information are intended for use by qualified applicators that have the required background, technical knowledge, and equipment to perform said tasks in a satisfactory manner. Consult your local distributor for product availability, additional product information, and technical support.

Warranty: ITW Polymers Coatings North America, a division of Illinois Tool Works Inc., warrants that its products meet their printed specifications. This is the sole warranty. This warranty expires one year after product shipment.

Warranty Claims: If any product fails to meet the above, Polymers Coatings North America will, at its option, either replace the product or refund the purchase price. ITW Polymers Coatings North America will have no other liability for breach of warranty, negligence, or otherwise. All warranty claims must be made in writing within one year of the date of shipment. No other claims will be considered.

Disclaimer: ITW Polymers Coatings North America makes no other warranty, expressed or implied, and specifically disclaims any warranty of merchantability or fitness for a particular purpose.

Suggestions concerning the use of products are not warranties. The purchaser assumes the responsibility for determining suitability of products and appropriate use. ITW Polymers Coatings North America's sole liability, for breach of warranty, negligence or otherwise, shall be the replacement of product or refund of the purchase price, at ITW Polymers Coatings North America's election. Under no circumstances shall ITW Polymers Coatings North America be liable for any indirect, incidental or consequential damages.

Modification of Warranty: No distributor or sales representative has the authority to change the above provisions. No change in the above provisions will be valid unless in writing and signed by an officer or the Technical Director of ITW Polymers Coatings North America. No term of any purchase order shall serve to modify any provision of this document.

Mediation and Arbitration: If any dispute arises relating to products or product warranties, either the purchaser or ITW Polymers Coatings North America may a) initiate mediation under the then current Center for Public Resources (CPR) Model Procedure for Mediation of Business Disputes, or b) initiate a non-binding arbitration under the rules of the American Arbitration Association for the resolution of commercial disputes.