



TECHNICAL DATA SHEET – PS-100 WB

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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.

PS-100 WB

LOW V.O.C., WATER-BASED EPOXY PRIMER/SEALER

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 pot life. Therefore, no material should be used 2 hours after mixing as it will not cure properly.

PRODUCT 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

CAUTION: Read Safety Data Sheet before using this material. Use only with adequate cross ventilation. Keep away from extreme heat, sparks and open flame. Keep from freezing. Avoid prolonged breathing of vapors. For dizziness, seek fresh air. Avoid contact with skin. Use gloves, goggles and coveralls. In case of spillage on clothing, change clothing to prevent prolonged contact with skin. Wash contaminated clothing before reuse. In case of accidental contact with skin, wash immediately with soap and water. In case of eye contact, flush thoroughly with plenty of water and call physician. If swallowed accidentally, do not induce vomiting. Seek medical attention immediately. The user of this product is responsible for making its own evaluation and tests regarding the capabilities, safety, utility, suitability and application of the product, and assumes all risks and liabilities resulting from the use or application of the product, whether used alone or with other products. ITW Polymers Sealants North America, Inc. (herein referenced to as the COMPANY) warrants only that the product conforms to the specifications contained in product Technical Data Sheets published By the COMPANY, a copy of which is available to the user. If the product fails to conform to this warranty, the user shall return the product within 10 days of the purchase date with a note specifying the defect and the COMPANY will either replace the product or at its option, return the purchase price. EXCEPT AS EXPRESSLY PROVIDED IN THIS PARAGRAPH, THE COMPANY MAKES NO REPRESENTATIONS OR WARRANTIES OF ANY KIND, NATURE OR DESCRIPTION, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE, AND HEREBY DISCLAIMS THE SAME. In no event shall the COMPANY be liable to the user of this product, whether in contract or in tort or any other legal theory (including, without limitation, negligence), for damages which exceed the purchase price of the product, or for any indirect, incidental, consequential or similar damages, arising out of sale, use or application of the product, or for any claim made against the user by any other party, even if ITW Polymers Sealants North America, Inc. has been advised of the possibility of such claim.