

Low V.O.C., water-based epoxy primer/sealer

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## Product Description

PS-100 WB is a two-component epoxy sealing primer designed to increase the adhesion and coverage of American Safety Technologies brand flooring products on concrete, wood, tile and other porous substrates. This low odor and low VOC formula makes it ideal for use in kitchens, hospitals, and other odor sensitive areas.

Easy to handle and apply, PS-100 WB penetrates deep into the surface ensuring good adhesion of the top coat.

## Surface Preparation

### NEW 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.

The preferred method to prepare floor surfaces and to remove laitance, curing membranes and surface hardeners is by mechanical removal of the same with a portable shot blast cleaning machine.

Chemical cleaning of laitance and unbonded particles can be accomplished by etching the surface with a muratic 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 completely dry.

NOTE: Acid etching will not remove oil, grease or wax. If the acid does not bubble or foam when spread 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.

### AGED AND UNCOATED CONCRETE FLOORS

Proceed as for New Concrete with particular emphasis on examination for grease, oil and chemical contamination and subsequent adequate cleaning.

### PREVIOUSLY PAINTED SURFACES

The performance of American Safety Technologies' anti-slip 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

A clean sound surface is required. Remove any dirt or oils from the surfaces with a commercial cleaner/degreaser and allow the surface to dry. Follow with sanding to remove loose or deteriorated surface and to obtain the proper surface profile.

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## Application

1. PS-100 WB is a two-part epoxy. Pour the hardener into the container of base material and mix thoroughly with a drill and Jiffy® mixing blade for 3 to 5 minutes. Apply by using a short nap roller or brush.
2. All American Safety Technologies topcoats can be successfully applied to a primed surface after 6 hours at 70°F (21°C).

Primed surfaces may be left exposed for up to 7 days. If top coating is delayed more than 7 days, the area, after cleaning, should be brush-blasted and, the PS-100 WB reapplied.

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.

## 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)
ESTIMATED COVERAGE:	320 sq. ft./gal. (2 mils DFT)
PACKAGING:	1 gallon kits

## Date

09/2007

### CAUTION

Read Material 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.

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