

## Water-Based Epoxy Surface Primer

### WB Epoxy Primer for Anti-Slip Floor and Deck Coatings

#### Product Description

Randolph Products WB Epoxy Surface Primer is a low odor, low VOC, two component water-based epoxy primer that provides excellent adhesion for anti-slip flooring and deck coatings on concrete, wood, tile and other porous surfaces.

This primer is ideal for use in kitchens, hospitals, beverage plants and places sensitive to odors during application.

It has been formulated to meet the strict requirements of South Coast Air Quality Management District Rule 1113.

#### Surface Preparation

**Concrete:** New concrete should be cured for at least 30 days prior to application. After proper curing, remove all contaminants such as laitance, curing membranes, surface hardeners, greases and oils as they may interfere with adhesion. Remove oil, grease, dirt, or other surface contaminants using a commercial grade cleaner/degreaser then flush the area with water to remove any residues and allow to dry. Chemical cleaning of laitance and attached particles can be removed by etching the surface with muriatic acid or a suitable buffered acid solution. Follow acid manufacturer's safety instructions. After the acid has finished reacting with the concrete, remove the residue with a water rinse, preferably by power washing and allow to dry completely. A profile must be created using chemical or mechanical means before applying the primer. The preferred method to prepare concrete floor surfaces is by mechanical means with a portable shot blast cleaning machine. For aged and old concrete floors, proceed as above while focusing on removing surface contaminants. Smooth or glazed surfaces should be roughened to improve adhesion. Floors should be swept clean to promote good adhesion of the coating system.

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. These materials must be removed to properly etch the surface.

**Previously Painted Surfaces:** The adhesion of applied coatings over previously painted surfaces is directly influenced by the type, age and condition of the old coating. Hard or glossy paints must be dulled by sanding, abrasive blasting, or other abrasive methods. 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.

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**Wood Floors:** Weathered wood should be removed or water blasted to expose a clean solid substrate. Smooth wood should be sanded to ensure proper adhesion.

**Tile and Fiberglass:** Glazed and ceramic tile and fiberglass must be sanded to remove all glaze to ensure a good mechanical bond. Remove any residual sanding by blowing air over the surface or wiping with alcohol.

### Application

**Mixing:** WB Epoxy Surface Primer is a two part product. Pour the hardener into the base component and mix thoroughly, preferably with a mechanical mixer such as a pneumatic drill motor equipped with a Jiffy® mixing blade until contents are a uniform color. Do NOT thin.

Apply when the surface and ambient temperatures are above 50°F (10°C) and the material temperature is above 50°F (10°C). Application is not recommended over 120°F (49°C). The surface to be painted must be at least 5°F (3°C) above the dew point.

### Application Techniques

Apply using a short nap mohair type roller or brush. Primer can be sprayed by airless, air assisted airless or conventional spray equipment.

If more than 7 days elapses after priming, the surface must be brushed blasted and the primer reapplied.

**Important:** Primed surfaces should be protected from contamination. Should the surface become contaminated prior to coating, clean the area before applying the topcoat.

**Safety precautions:** This product is intended for professional use in an industrial environment only. Consult the Safety Data Sheet prior to application.

### Standard Colors

650C01 Clear Base

Sold with hardener 655C01

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### Specifications

VOC:	0.83 lbs/gal (100 grams/liter)
Solids by Volume:	40 +/- 2%
Dry Time @70°F (21°C)/50% RH:	Dry to Recoat: 6 hours          Recoat: 7 days max
Mix Ratio:	3:1 by volume
Theoretical Coverage@ 1 mil dft:	642 ft <sup>2</sup> /gallon
Recommended dft:	2-3 mils
Packaging:	1 gallon kit and 4 gallon kit
Pot Life @ 70°F (21°C):	2 hours: Do not use material after 2 hours as it will not cure properly
Shelf life:	2 Years

Date

4/2017

Randolph Products Co. warrants that its products meet its internal specifications and are of merchantable quality. However, the purchaser is solely responsible for the suitability of the product for any particular application. The purchaser should test or qualify the product for serviceability, environmental compliance and health and safety factors prior to use. Further, our total liability is limited to the price of the product or its replacement in kind.