



## **EPOXY PRIMER**

EPOXY PRIMER/SEALER

### **DESCRIPTION**

**EPOXY PRIMER** is an industrial solvent based two part epoxy primer/sealer designed to increase the adhesion and coverage of flooring products on concrete, wood, tile and other porous surfaces.

**EPOXY PRIMER** is easy to handle and apply. It dries quickly and promotes good inter-coat adhesion to any topcoat.

### **SURFACE PREPARATION**

**EPOXY PRIMER** must be applied to only clean dry surfaces. Remove old loose and flaking paint, rust, loose debris by mechanical means.

#### **Concrete:**

New concrete should be properly cured for thirty days. After proper curing, remove contaminants such as laitance, curing membranes, surface hardeners, and greases and oils. Floors should be swept clean to promote good adhesion of the coating system. An appropriate profile must be created using chemical or mechanical means. The preferred method to prepare concrete floor surfaces is by mechanical means with a portable shot blast cleaning machine. 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 residue with a water rinse or preferably by power washing. Allow the surface to completely dry. For aged and old concrete floors proceed as above while focusing on grease, oil and chemical contamination, then follow with adequate cleaning.

### **PROPERTIES**

#### **VOC**

- 2.83 lbs per gallon (340 grams/liter)

#### **Volume Solids**

- 62%

#### **Potlife**

- 2 hours @ 70°F (21°C)

#### **Dry Time**

- To Recoat  
1-4 hours @ 70°F (21°C)

#### **Estimated Coverage**

- 600 sq.ft./gal. – roller  
(2 mil DFT/3 mils WFT)

#### **Weight per Gallon**

- 8.8 lbs./gal.

#### **Flash point**

- 81°F (27°C) -CC

#### **Packaging**

- 1 or 5 Gallon Kits

#### **Colors**

- Clear Amber

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 to promote 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

Weathered wood should be removed or waterblasted to expose a clean solid substrate. Smooth wood should be sanded to ensure proper bonding.

#### TILE AND FIBERGLASS

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

#### APPLICATION

Apply when surface and ambient temperature are above 50°F (10°C) and the material temperature is above 60°F (15°C). Application not recommended at temperatures over 120°F. Surface to be painted must be at least 5°F (3°C) above the dew point.

**EPOXY PRIMER** is a two-part compound. Pour the hardener into the base container. Thoroughly mix contents preferably with a mechanical mixer such as a drill motor with a Jiffy mixing blade until mixed material assumes a uniform color and appearance (approximately three to five minutes). **THINNERS ARE NOT TO BE ADDED.**

Apply by using a short nap mohair type roller or brush. Primer can be sprayed by airless, air assisted or conventional primer spray equipment. Allow primer to dry 1-4 hours at 70°F (21°C) before topcoating.

**EPOXY PRIMER** should be applied to a minimum 2-3 mils (50-75 microns) dry film thickness. 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 primer reapplied. Clean tools and spray equipment immediately after completing installation using soap and water.

#### IMPORTANT

Do not use mixed material after its 2 hour pot life as it will not cure properly.

Primed surfaces should be protected from contamination. Protect and mark areas to prevent any foot or rolling traffic. Should the surface become contaminated prior to coating, clean the area before top-coating.

#### CAUTION

**Read Material Safety Data Sheet before using this material.**

**Contains Solvent, epoxy resin and catalyst amines. Use only with adequate cross ventilation. Keep away from extreme heat, sparks and open flame. Avoid prolonged breathing of vapors. For dizziness, seek fresh air. Toxic material. 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. Discard contaminated shoes. 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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