Oil Stop Primer

PRODUCT DESCRIPTION AND USE

Oil Stop Primer is a low viscosity, 100% solids resin designed for use as a primer on concrete slabs that are contaminated with hydrocarbons, such as motor oil, solvents, cutting oils and hydraulics fluids. It possesses outstanding adhesion and surface tolerance making it ideal for challenging applications such as these.

Chemical Composition
Modified Bisphenol A epoxy resin crosslinked with aliphatic polyamines.

Colors
Clear

Limitations
Concrete must be free of liquid hydrocarbon contamination.
A test patch should always be performed to verify adhesion.
Do not apply in temperatures below 50 F.
Coating will yellow when exposed to UV light.

TECHNICAL DATA

Physical Properties

Mixing Ratio, by Volume	3-2
Solids Content, %	100
V.O.C.	none
Viscosity, cps (Clear Material, 77 degrees)	800
Pot Life, (77 degrees, 1 quart mass)	35 minutes

Pot Life is reduced by increasing mass and/or temperature.

Cure Times (77 degrees)
- Dry to Touch.....8 hours
- Light Traffic.....24 hours
- Full Cure.....7 days

Cure Times (50 degrees)
- Dry to Touch.....18 hours
- Light Traffic.....48 hours
- Full Cure.....14 days

Cure times are influenced by both the ambient air temperature and the temperature of the concrete.

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Performance Properties

Tensile Strength, psi (ASTM D-638)	6,230
Ultimate Elongation, % (ASTM D-638)	11
Compressive Yield Strength, psi (ASTM D-695)	9,850
Ultimate Compressive Strength, psi (ASTM D-695)	19,501
Ultimate Flexural Strength, psi (ASTM D-790)	9,680
Hardness, Shore D (ASTM D-2240)	78
Bond Strength to Concrete (ASTM D-4541)	concrete fails before loss of bond

CHEMICAL AND STAIN RESISTANCE (ASTM D-1308 24 HOUR IMMERSION)

Vegetable Oil	no effect
Mustard	no effect
Urine	no effect
Gasoline	no effect
Motor Oil	no effect
Transmission Fluid	no effect
Brake Fluid	slight softening, film recovers
Mineral Spirits	no effect
10% Sulphuric Acid	no effect
10% Hydrochloric Acid	no effect
10% Acetic Acid	no effect
Xylene	slight softening, film recovers
MEK	film destroyed

GENERAL INFORMATION

Moisture Vapor Emissions Precautions

All interior concrete floors not poured over an effective moisture vapor retarder are subject to possible moisture vapor transmission that may lead to blistering and failure of the coating system. It is the coating applicator's responsibility to conduct calcium chloride and relative humidity probe testing to determine if excessive levels of vapor emissions are present before applying any coatings. APF can supply moisture remediation products. Consult our technical service department. Arizona Polymer Flooring and its sales agents will not be responsible for coating failures due to undetected moisture vapor emissions.

Surface Preparation

Concrete must be cured 30 days and be clean, and structurally sound, surface may be damp but with no visible water. Surface must be degreased then shot blasted, diamond ground or acid etched to achieve an ICRI profile of CSP3 or greater. A properly prepared surface will have the texture of 80-100 grit sandpaper. If the surface is diamond ground, use 20-30 grit diamonds and vacuum the floor twice to remove concrete dust. Excessive dust in the pores of the concrete can compromise adhesion. **If acid etched, machine scrubbing is required.** Adhere strictly to guidelines listed in the Arizona Polymer Flooring Surface Preparation Manual

Mixing Instructions

If using regular cure material, pot life is 35 minutes at 77 degrees. Pot life of fast cure material is 15 minutes. Work times are shortened by higher temperatures. Pouring material on floor immediately after mixing will extend work time. Combining ratio is 3 parts A to 2 part B. **Proportion the amounts carefully and mix for 2 full minutes using a low speed drill, scraping the bottom and sides of the mixing vessel**

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Application Recommendations

Oil Stop Primer may be applied by roller, trowel or squeegee at a rate of 100 square feet per gallon

Handling Precautions

Do not breathe vapors. Use appropriate respirator with green band cartridge to protect against methyl amine vapors. Avoid contact with skin; wear protective gloves. Read Material Safety Data Sheet before using.

Slip and Fall Precautions

OSHA and the American Disabilities Act (ADA) have now set enforceable standards for slip-resistance on pedestrian surfaces. The current coefficient of friction required by ADA is .6 on level surfaces and .8 on ramps. Arizona Polymer Flooring recommends the use of angular slip-resistant aggregate in all coatings or flooring systems that may be exposed to wet, oily or greasy conditions. It is the contractor and end users' responsibility to provide a flooring system that meets current safety standards. Arizona Polymer Flooring or its sales agents will not be responsible for injury incurred in a slip and fall accident.