

DESCRIPTION

Ecocrete Epoxy Primer is a two component, zero VOC, 100% solids modified liquid epoxy resin and hardener with excellent adhesion, flexibility, chemical and impact resistance. Epoxy Primer will cure faster in warmer temperatures. Ecocrete Epoxy Primer must be applied to a profiled, clean and dry substrate. Epoxy Primer will bond to concrete, wood and steel.

TYPICAL USES

- Interior and exterior applications
- Automotive repair
- Aviation hangars
- Commercial and residential applications
- Maintenance coatings
- Industrial coatings
- Slurry or mortar applications @ 250 mils
- Primer for floor coatings
- Marine coatings

TECHNICAL DATA

Solids by Weight.....	100%
Compressive Strength ASTM D695.....	11,000 psi
Tensile Strength ASTM D638.....	10,000 psi
Adhesion to Concrete ASTM D4541.....	450-500 psi
VOC.....	0 g/l
Water Absorption, Gain in 24 hrs ASTM D570.....	<1%

STORAGE & INSTALLATION @ 75°F

Storage Environment.....	Dry area, 40-85°F
Application Temperature, ambient.....	50-95°F
Application Temperature, material.....	50-70°F
Application Temperature, substrate.....	Minimum 5°F above dew point
Pot Life.....	~ 5 minutes
Working Time.....	~ 25 minutes
Shelf Life.....	1 year
Dry Time for Recoat.....	8-10 hours
Dry Time for Light Foot Traffic.....	12-14 hours

Material cures more slowly at cooler temperatures and working time will be substantially reduced at higher temperatures. The optimum temperature for installation of this product is 65-85°F. Contact Ecocrete Coatings if temperatures are outside this range. At lower temperatures, the material will be more viscous and difficult to move, requiring more effort to install it. At elevated temperatures, the material will cure more quickly, so applicator will need to work accordingly.

CONSIDERATIONS & LIMITATIONS

- 1) Prepare substrate according to 'Surface Preparation' section of this document.
- 2) May reflect moving cracks and control joints.
- 3) Recoat window is 24-36 hours, exterior use in direct sunlight will shorten recoat window.
- 4) If used outside in direct sunlight and material shells over or if outside recoat window, it is required to sand and vacuum clean, solvent wipe with acetone and then recoat.
- 5) Concrete substrate should be professionally tested with calcium chloride for moisture vapor emission and transmission to determine hydrostatic pressure prior to the installation of any polymer flooring system. If test are above 3lbs x 1,000 ft² x 24/hr substrate must be primed with Ecocrete Moisture Barrier Primer (MBP).
- 6) Perform relative humidity test using in situ probes, ASTM F2170. Proceed with installation only after substrates have a maximum 75% relative humidity level measurement.
- 7) Always use protective clothing, gloves, and goggles consistent with OSHA regulations during use. Avoid eye and skin contact. Do not ingest or inhale. Refer to Safety Data Sheet for detailed safety precautions.
- 8) For industrial/commercial use. Installation by trained personnel only.

EPOXY PRIMER

TECHNICAL DATA SHEET & APPLICATION INSTRUCTIONS

100% SOLIDS EPOXY PRIMER

BENEFITS

- Superior adhesion & flexibility
- Chemical and impact resistance
- Will bond to concrete, wood, and steel
- Excellent primer for thin-mil and high-build coating systems, color chips, color quartz and all our other resinous flooring systems
- Zero VOC
- Qualifies for LEED projects

TYPICAL APPLICATION

- One Coat – Ecocrete Epoxy Primer base coat @ 10 mils

PACKAGING & COVERAGE

- 1 Gallon Cans (1 Gallon Kit)
- 5 Gallon Pails (25 Gallon Kit)
- 160 ft²/gal @ 10 mils

🔗 SURFACE PREPARATION

- The surface must be clean and sound, free from dirt, oil, grease, and any other contaminants that may inhibit bond.
- Shot blasting and/or diamond grinding is required to a CSP-2 or CSP-3.
- All surface irregularities, cracks, expansion joints, and control joints should be properly addressed prior to application.
- Properly cover areas not to receive product.

Crack Repair: Route out cracks with diamond crack chaser and vacuum clean. Prime with Epoxy Primer neat and then thicken the Epoxy Primer with Epoxy Thickener to create a peanut butter consistency and fill crack pulling flush with putty knife or leave slightly high and allow to cure. Then grind smooth for best results. *(This method is for under pigmented coating systems, not for exposed exterior applications.) [Refer to Epoxy Thickener TDS for further details.]*

Refer to Ecocrete's Surface Preparation Guidelines for detailed instructions available at www.ecocretecoatings.com.

🔗 MIXING & APPLICATION STEPS

- **MIX RATIO: 3A : 2B (by volume)**

- 1) Pre-mix each component separately prior to mixing together; cleaning the mixing paddle before switching products to not cross contaminate.
- 2) Mix Part A with Part B for 3 minutes, scraping the sides and bottom of mixing container, with a power drill and mixing paddle.
- 3) Immediately after mixing, pour material out in an even row on substrate. Use a chip brush to cut in and/or a squeegee to spread material uniformly at the proper mil thickness across the floor. Roll material using a 3/8" nap roller to a uniform appearance.
- 4) Allow to cure.

Notes:

- Wear spiked shoes while spreading material so you can walk on material to back roll.
- Keep a wet edge while applying.

🔗 CARE & MAINTENANCE

Refer to Ecocrete's Care & Maintenance Guidelines available at www.ecocretecoatings.com.

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