

EPOXY-Primer

100% solids, zero VOC, moisture tolerant epoxy primer

CSI Div. 09

09 96 56 EPOXY COATINGS

LEED Points

IEQ Credit 4.2, Low-Emitting Materials Paints & Coatings...1 Point
Using this AQUAFIN product can help contribute to LEED certification of projects in the categories shown above.

Product Description:

EPOXY-Primer is a 2-component, 100% solids epoxy primer for concrete substrates. It is recommended for use as a primer with water-based epoxies, polyurea coatings, 100% solids epoxies and urethane coatings to enhance adhesion to concrete substrates. Can also be used as a primer for cementitious self leveling underlayments and toppings.

Typical Applications:

Hospitals, Laboratories, Schools, Locker-Room Floors, Warehouses, Showroom floors, Grocery Store floors, etc.

Advantages:

- Zero VOC's - meets LEED criteria
- Excellent for indoor use - low odor and non flammable
- Low viscosity
- 1-Coat Application
- All purpose epoxy primer
- Can be applied to dry or damp substrates
- Excellent for sealing dormant static hairline cracks

Substrate Preparation:

- All surfaces to be treated with EPOXY-Primer must be clean and sound. Remove existing floor coverings, coatings, adhesives, curing compounds, efflorescence, dust, grease, laitance, etc. down to bare concrete via mechanical means such as steel shot blasting, scarifying or grinding to CSP 2 – 3. Concrete Surface Profile as per ICRI Guideline No. 310.2–2013. Standard acid etching is NOT allowed. Repair larger cracks with a suitable patching mortar. Seal small or hairline cracks with EPOXY-Primer.
- Well bonded, existing epoxy coatings must be mechanically roughened before applying EPOXY-Primer.
- Metal surfaces must be prepared by abrasive blasting to a white metal finish then wiped clean with a residue free solvent, such as acetone.

General Mixing & Application Instructions:

- Do not apply at air or slab temperature below 50°F (10°C) or above 90°F (35°C)
- Protect the area to be treated from strong sun light, wind and rain. Indoors, prevent noticeable drafts.
- EPOXY-Primer components A and B are supplied in pre-measured quantities. Always mix a complete kit in the proportions supplied. Do not alter mixing ratios.

Add component B into the component A pail and stir mixture for approx. 5 minutes to a homogenous, streak free consistency, using a slow speed drill (approx. 300 rpm) with a PS Jiffy blade. Ensure that the material at the bottom and sides of the pail is agitated well. After mixing, pour it into a clean container and carefully mix it again. Do not mix at high speeds to avoid air entrapment.

Apply EPOXY-Primer to the prepared substrate by non-shed roller or notched squeegee. Subsequent top coatings such as epoxy, terrazzo, polyurethane, must be applied within 3–24 hours. Allow to dry to a thin, slightly tacky film. If recoat time is missed, roughen surface of EPOXY-Primer and reapply a thin coat of material. Walk over cured EPOXY-Primer with 'clean' shoes only prior to installation of flooring systems.

Crack Repair:

- Static hairline cracks: let material flow and seal cavities.
- Larger static cracks: Mix material with oven dried clean quartz sand to a trowelable mix (Mix at 4 parts sand to 1 part resin).
- Do not apply into construction joints subject to movement (dynamic) or expansion joints. "Honor" these joints with an appropriate joint sealant, carried through any subsequent installation of self leveling underlayment, toppings, flooring systems, etc.

Limitations:

- Store at temperatures between 50°F to 90°F (10°C to 32°C)
- Protect from freezing
- EPOXY-Primer is not intended as a finish coating.
- Do not apply to frost filled substrates or at temperatures below 50°F (10°C)
- Consult Material Safety Data Sheets (MSDS) before use.
- Not for use as a vapor barrier.

Clean-Up:

Immediately clean all equipment and tools with mineral spirits.

Safety:

Refer to MSDS. KEEP OUT OF REACH OF CHILDREN.

Part A - irritant; sensitizer - contains epoxy resins.

Part B - corrosive; sensitizer - contains amines.

LIMITED WARRANTY: AQUAFIN, INC. warrants this product for a period of one year from the date of installation to be manufactured free of defects and to be consistent with its technical properties as stated in our current Technical Data Sheet. This product must be used as directed and within its stated shelf life. AQUAFIN INC. will replace or at our discretion refund the purchase price of any product, excluding cost of labor, which is proven to be defective. Our product recommendations are based on industry standards and testing procedures. It is the buyer's obligation to test the suitability of the product for an intended use prior to using it. We assume

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For Professional Use Only.

Physical Properties	
Material & Color	2-comp. epoxy - amber color
VOC Content	0 g/L
Solids Content	100%
Flash Point Comp A Resin:	>212°F (>100°C)
Comp B Hardener:	>248°F (>120°C)
Viscosity	550 - 650 cps
Pot Life	~35 Minutes at 73°F (23°C)
Recoat Window	3-24 hours at 73°F (23°C)
Coverage Rate: ~155 sf/gal to achieve minimum 10 mils dry film thickness. Coverage rates will vary depending on surface profile. Note: When used with the POLYPro-HP system, coverage not to exceed 100 sf/gal.	
Storage & Shelf Life: 2 years in closed, original packaging, stored in a dry, cool place.	
Packaging: 2.4 gal/22 lb (9.2 L/10 kg) kit.	A-Comp: 1.5 gal/14.48 lb (5.8 L/6.58 kg) B-Comp: 0.9 gal/7.52 lb (3.4 L/3.42 kg).
Packaging: 7.3 gal/66 lb (27.5 L/30 kg) kit.	A-Comp: 4.6 gal/43.43 lb (17.3 L/19.74 kg) B-Comp: 2.7 gal/22.57 lb (10.2 L/10.26 kg).