



L&M

Construction Chemicals

EPOBOND™

DS-176.1-1214

A product brand of LATICRETE International, Inc.



1. PRODUCT NAME

EPOBOND™

2. MANUFACTURER

LATICRETE International, Inc.

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Fax: +1.203.393.1684

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3. PRODUCT DESCRIPTION

EPOBOND is a two part 100% solids epoxy adhesive used to bond fresh concrete to hardened concrete; steel to fresh or hardened concrete; as a binder for epoxy concrete, and for bonding other dissimilar materials. It allows flexibility of movement compatible with concrete. The bond strength is such that separation will only occur by breaking either the old or the new concrete.

EPOBOND is resistant to water and many chemicals. It is unaffected by continued exposure to salts, alkalis, acids or solvents.

EPOBOND lends itself to bonding wear courses of concrete to pre-formed concrete structural members, reducing required thickness to lower weights and costs. EPOBOND is the epoxy binder with controlled flexibility for high strength bonding, minimum creep and deflection, and built in "give" to take the stress of impact loading and thermal change.

Advantages

- Elasticity allows flexibility of movement compatible with concrete
- Excellent strength to dynamic loads (vibrations and impacts)
- Two component epoxy compound for bonding concrete to concrete
- Water, salt and chemical resistant

Suitable Substrates

- Existing concrete

Packaging

EPOBOND is a two component product and is packaged in two 1 gal (3.8 L) metal cans per case. Each container is clearly identified with product and component name and batch number.

Approximate Coverage

80-150 ft²/gal (2-3.7 m²/L) approximately 10-20 mils (0.25-0.5 mm) thick

Shelf Life

EPOBOND containers are to be kept tightly sealed and stored in a cool, dry place between 60-85°F (16-29°C). Shelf life is one year in unopened containers when properly stored.

Limitations

- Surfaces to which concrete is to be bonded must be a minimum 28 days old; 50°F (10°C) and rising; free of laitance, cures, sealers, oil or other contaminants; structurally sound.
- EPOBOND must be tacky at the time of overlay placement.
- Store at 70°F (21°C) for 24 hours prior to use

Cautions

- Perform a mock-up to ensure product will perform as required
- Contact your local L&M Technical Sales Representative with any questions
- Wear gloves and protective goggles
- Until cured, EPOBOND may irritate eyes and skin. Avoid contact with eyes and or prolonged contact with skin. In case of contact, flush thoroughly with water.
- Consult SDS for more safety information
- Not for submerged applications
- Keep out of reach of children

Mock-ups and field test areas are required in order to validate performance and appearance related characteristics (including but not limited to color, inherent surface variations, wear, anti-dusting, abrasion resistance, chemical resistance, stain resistance, coefficient of friction, etc.) to ensure system performance as specified for the intended use, and to determine approval of the decorative flooring system.

4. TECHNICAL DATA

Meets LEED requirements for VOC content. Actual field performance will depend on installation methods and site conditions. Specifications are subject to change without notification. Technical data shown in L&M™ product data sheets and technical data sheets are typical but reflect laboratory test procedures conducted in laboratory conditions. Actual field performance and test results will depend on installation methods and site conditions. Field test results will vary due to critical job site factors.

Applicable Standards and Test Methods

ASTM C 881, Type I, II, IV, and V, Grade 2, Class B & C
AASHTO-M 235-73, Class III Standard Class
Low VOC

Physical Properties

Property	Observed
Pot Life	40 min
Viscosity	2475 cps
Contact Time	1 hour
Tack Free Time	3 -4 hours
Initial Cure	24 hours
Final Cure	7 days
Absorption	12%
Bond Strength ASTM C 881	Type I: 2460 psi (17 MPa) Type II: 1785 psi (12.3 MPa)
Color	Grey
Compressive Strength ASTM C 695	10400 psi (71.7 MPa)
Elongation	1%
VOC	<40 g/L

Specifications are subject to change without notification. Technical data shown in product data sheets are typical but reflect laboratory test procedures conducted in laboratory conditions. Actual field performance and test results will depend on installation methods and site conditions. Field test results will vary due to critical job site factors. All recommendations, statements and technical data contained in this data sheet are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty or guaranty of any kind. Satisfactory results depend upon many factors beyond the control of LATICRETE International, Inc. User shall rely on their own information and tests to determine suitability of the product for the intended use and user assumes all risk, loss, damage, expense and liability resulting from their direct use, indirect use or consequential to their use of the product. LATICRETE shall not be liable to the buyer or any third party for any injury, loss or damage directly or indirectly resulting from use or inability to use the product.

5. INSTALLATION

Surface Preparation: Concrete surfaces must be clean and sound. Remove all dirt, laitance, grease, curing compounds and other foreign matter by sand blasting or mechanical abrasion. Remove water and dust from all surfaces with an oil-free air blast immediately prior to application of compound. If acid etching is used, acid must be neutralized.

Mixing: Temperature of EPOBOND™ and substrate must be 50°F (10°C) or above at time of mixing and placement. Stir each component separately before blending. Mix one part A with one part B with a mechanical mixer at slow speeds until thoroughly blended for a minimum of three minutes.

Application: Apply thin, uniform layer with brush, roller, spray or squeegee at the rate of 80-150 ft²/gal (2-3.7 m²/L) approximately 10-20 mils (0.25-0.5 mm) thick. Avoid forming pools or puddles. Place new concrete, grout or topping while EPOBOND is tacky. If surface to be bonded is no longer tacky, it must be reprimed.

Clean Up: Clean tools and mixing equipment with methyl ethyl ketone or lacquer solvent before EPOBOND hardens.

6. AVAILABILITY AND COST

Availability

L&M and LATICRETE® materials are available worldwide.

For Distributor Information, Call:

Toll Free: 1.800.243.4788
Telephone: +1.203.393.0010

For on-line distributor information, visit LATICRETE at www.lmcc.com

Cost

Contact a LATICRETE Distributor in your area.

7. WARRANTY

See 10. FILING SYSTEM:

DS 230.13: LATICRETE Product Warranty

9. TECHNICAL SERVICES

Technical Assistance

Information is available by calling the LATICRETE Technical Service Hotline:

Toll Free: 1.800.243.4788, ext. 235
Telephone: +1.203.393.0010, ext. 235
Fax: +1.203.393.1948

Technical and Safety Literature

To acquire technical and safety literature, please visit our website at www.laticrete.com.

10. FILING SYSTEM

Additional product information is available on our website at www.laticrete.com. The following is a list of related documents:

DS 230.13: LATICRETE Product Warranty