



L&M™ EVERBOND™

DS-176.2-1124

**Globally Proven
Construction Solutions**



1. PRODUCT NAME

L&M™ EVERBOND™

2. MANUFACTURER

LATICRETE International, Inc.
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3. PRODUCT DESCRIPTION

EVERBOND is a versatile acrylic polymer emulsion that can be used either as a bonding adhesive or as an admixture that enhances portland cement-based mixes, giving these mixes improved flexural, tensile and bond strength. EVERBOND is a milky white, high solids emulsion that will not re-emulsify upon exposure to water, and is non-oxidizing and ultraviolet light stable. EVERBOND, when used as a bonding agent, becomes an integral part of the interface between the cementitious material and the surface to be bonded. EVERBOND creates a strong bond between materials to be bonded.

Uses

- EVERBOND improves the adhesion of cementitious materials such as concrete toppings, stucco and terrazzo to structurally sound concrete, plaster or masonry.
- EVERBOND may be used as an admix by adding to portland cement-based repair mortars to increase their

adhesion, freeze-thaw resistance, flexural strength, and durability.

- EVERBOND may be used as a bonding agent when applied at full strength to aid in bonding concrete repairs made in sidewalks, driveways, steps, floors, brick pointing and stucco. It will help bond portland cement mortars to brick, concrete block, clay tile, marble and even glass block.
- EVERBOND may be used as a bonding slurry/bonding grout when added to portland cement to create a very strong and effective bonding slurry for concrete toppings and repair materials.

Advantages

- Improved adhesion between cementitious materials
- Use as bonding adhesive or admixture
- High abrasion resistance
- Rapid drying time

Suitable Substrates

- Concrete

Packaging

5 Gal (18.9 L)

55 Gal (208 L)

Approximate Coverage

Finish	Approximate Coverage
Roughened Concrete	200-300 ft ² /gal (4.9-7.4 m ² /L)
Plaster or Smooth Concrete	300-400 ft ² /gal (7.4-9.8 m ² /L)
Bonding Slurry over CSP 8-10 Concrete	80-100 ft ² /gal (2.0 - 2.5 m ² /L)

Shelf Life

Containers are to be kept tightly sealed and stored in a clean, dry area between 45-100°F (7-38°C). Shelf life is a minimum of one year when stored properly. Do not allow to freeze.

Limitations

- Surfaces to which EVERBOND is applied must be clean and structurally sound
- Do not apply over frozen surfaces, water soluble paints, rust, laitance or peeling paint

- Apply at temperatures of 40°F (4°C) and rising
- Do not use as an admixture with concrete or mortar mixes containing air entraining admixtures
- Do not expose newly placed EVERBOND-modified cement mixes to water immersion for at least 24 hours
- Protect EVERBOND film from dirt or other contaminants until topping is placed
- Do not allow film or slurry to dry before placing repair mortar or topping
- Cover with wet burlap in hot weather to protect from rapid drying. Do not cure EVERBOND modified mortars on toppings with solvent-based curing compounds

Cautions

- Consult SDS for safety information
- Protect finished work from traffic until fully cured
- 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

VOC/LEED Product Information

22 g/L

Physical Properties

Property	Standard	Results
Tensile Strength	ASTM C190	600 psi (4.1 MPa)
Shear Strength	ASTM C1042	>1250 psi (8.6 MPa)
Shear Strength (Slurry Coat)	ASTM C1042	2100 psi (14.5 MPa)
Flexural Strength	ASTM C78	725 psi (5 MPa)
Freeze Thaw Scaling	ASTM C672	No scaling
Abrasion resistance	---	Good resistance
Bonding Agent	ASTM C1059	Conforms

Working Properties

Property	Results
Dry time (2 mil film) at 70F (21C)	1 hour

Specifications subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.

5. INSTALLATION

Surface Preparation:

All surfaces must be clean, sound and free of all dust, curing compounds, oil, dirt, efflorescence, mildew or loose material. Dull all shiny surfaces mechanically. Thoroughly pre-dampen all concrete surfaces with clean potable water to a saturated, surface dry (SSD) condition to reduce absorption.

Application:

Apply EVERBOND by brush, spray or roller in a thin continuous film. Broom out puddles before installing any topping. Do not allow to dry.

Bonding Slurry/Bonding Grout:

Place bonding slurry first. Prepare the bonding slurry by adding equal amounts by volume, L&M EVERBOND and dry portland cement (example: 1 gallon of EVERBOND to 1 gallon of dry portland cement) into a bucket then drill mix to a creamy, thick paint-like consistency. The bonding slurry should be applied to the floor in segments keeping only a short distance ahead of the placing of concrete topping. Pour and scrub or broom the bonding slurry thoroughly into the prepared concrete base slab. Do not leave puddles of bonding slurry mix on the surface. The bonding slurry must remain wet and tacky. Re-apply bonding slurry to areas that are dry and not tacky to the touch before installation of concrete topping. Do not overmix. Allow topping to cure a minimum of four days before exposing it to heavy wheeled traffic.

Flatwork Repairs:

Concrete toppings should be a minimum of 3/4" (19 mm) and are to be butted to a temporary vertical edge. Place EVERBOND and cement bonding slurry first, followed by repair mortar. Place within 20 minutes. Avoid overworking.

EVERBOND™ Reinforced Floor Toppings:

A reinforced floor topping is suitable for feather-edge work in light traffic areas. Place bonding slurry first. Do not overmix. Allow topping to cure a minimum of four days before exposing it to heavy wheeled traffic.

6. AVAILABILITY AND COST

Availability

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 laticrete.com

Cost

Contact a LATICRETE Distributor in your area.

7. WARRANTY

See 10. FILING SYSTEM:

9. TECHNICAL SERVICES

Technical Assistance

Information is available by calling the LATICRETE Technical Service Hotline:

Toll Free: 1.800.243.4788, ext. 1235
Telephone: +1.203.393.0010, ext. 1235
Fax: +1.203.393.1948

Technical and Safety Literature

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

10. FILING SYSTEM

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

- DS 230.13: LATICRETE Product Warranty

LATICRETE International, Inc.

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