



# PRIME-N-BOND™

DS-307.0-0118

**Globally Proven  
Construction Solutions**



## 1. PRODUCT NAME

PRIME-N-BOND™

## 2. MANUFACTURER

LATICRETE International, Inc.  
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Bethany, CT 06524-3423 USA

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Internet: [www.laticrete.com](http://www.laticrete.com)

## 3. PRODUCT DESCRIPTION

LATICRETE PRIME-N-BOND is a versatile, ready-to-use, single coat, low VOC primer designed to enhance the adhesion of mortars to many smooth and non-absorptive substrates that can be difficult to bond to. PRIME-N-BOND also improves bonding of self-leveling underlayments (SLU's).

### Suitable Substrates (Interior Only)

- Steel Troweled Concrete
- Glass Tile
- Quarry Tile
- Cement/Epoxy Terrazzo
- Cement-Based Agglomerates
- Glazed Cement Masonry Units
- Floor Covering Adhesive and Polyurethane Adhesive residue
- Porcelain & Ceramic tiles with Glazed or Smooth surfaces
- Well-Bonded Cutback Adhesive
- Exterior Glue Plywood
- Natural Stone
- Vinyl Flooring
- VCT
- Plastic Laminate Countertops

- Epoxy Resin-Backed Tile and Stone\*
- Agglomerate Marble
- Ceramic Tile
- Concrete smooth and non absorbent
- Concrete with up to 20% fly ash
- Dry shake hardener
- Epoxy Coating
- Epoxy Flooring (Poured)
- Floor covering adhesive and polyurethane adhesive residue
- Moisture Barrier (Sheet Goods)
- Non-porous Concrete
- Radiant-heated floors
- Rigid Fiberglass panels

\*not for use in wet areas

### Advantages

- Multi-purpose and can be used on a wide range of substrates
- One component, ready to use, no mixing required
- Single coat application
- Apply with roller or brush
- Formulated with aggregate for an enhanced mechanical bond of mortars to a variety of smooth or low-absorptive substrates
- Improves bonding of cement self-leveling products (SLU's)
- Low VOC, low odor, Ideal for interior and occupied areas

### Packaging

1 Gal (3.78 L) pail, 4 pails per carton  
3.5 Gal (13.25 L) plastic pail

### Approximate Coverage (varies depending on substrate)

1 Gal (3.78 L) pail: 150 – 300 ft<sup>2</sup> (13.9 – 27.9 m<sup>2</sup>)  
3.5 Gal (13.25 L) pail: 525-1050 ft<sup>2</sup> (48.8 – 97.5 m<sup>2</sup>)

### Shelf Life

PRIME-N-BOND should be stored in original packaging. Use within one (2) years of date of manufacture. **Do not allow primer to freeze.**

### Limitations

- Interior use only
- Not for use in submerged or other continuous wet area applications.
- Do not install when ambient temperature or surface is expected to be below 50°F (10°C) during placement or before material takes final set or when temperature will be above 95°F (35°C).

- The surface temperature of the prepared substrate must be at least 5°F (2.5°C) above the dew point and rising to avoid condensation on the surface while drying.
- Surfaces must be structurally sound, clean, dry and free from dust, dirt, grease, stains, curing compound, sealers, adhesive and all contaminants.
- Shiny, or hard troweled, concrete slabs should be mechanically profiled.
- Concrete must be cured and free of efflorescence.
- Concrete must not be subject to hydrostatic pressure.
- Maximum amount of moisture in the concrete substrate should not exceed 5 lbs/1,000 ft<sup>2</sup> (283 µg/s m<sup>2</sup>)/ 24 hrs per ASTM F-1869 or 75% relative humidity as measured with moisture probes
- Do not dilute
- Do not install over Saltillo tile
- Do not install over any substrates, cutback adhesive, or other adhesive residue containing asbestos. Always verify it does not contain asbestos.
- When bonding to cutback adhesive or other adhesive residue. Adhesive residue must be wet-scraped to the finish of the concrete leaving only the transparent staining from the adhesive. Do not use adhesive removers, solvents or other chemicals that may penetrate into the concrete.
- Adhesives/mastics, mortars and grouts for ceramic tile, pavers, brick and stone are not replacements for waterproofing membranes.
- When a waterproofing membrane is required, do not apply a LATICRETE Waterproofing Membrane directly on top of the PRIME-N-BOND™.
- Do not install PRIME-N-BOND or underlayments over particleboard, chipboard, hardboard (Masonite), Luan panels, asbestos, interior glue plywood, gypsum-based patching materials, asphalt, coal tar, or lightweight insulating concrete or any other dimensionally unstable materials.
- Any applications over wood framed or plywood constructs must conform to TCNA methods before application of PRIME-N-BOND.

*Note: Surfaces must be structurally sound, stable and rigid enough to support ceramic/stone tile, thin brick and similar finishes. Substrate deflection under all live, dead and impact loads, including concentrated loads, must not exceed L/360 for thin bed ceramic tile/brick installations or L/480 for thin bed stone installations where L=span length.*

#### Cautions

Before using any LATICRETE product:

- Read and understand the Product Data Sheet and Safety Data Sheet.
- Perform a mock-up to ensure product will perform as required.
- Check [www.laticrete.com](http://www.laticrete.com) for any technical bulletins or updated information about the product and its application.
- PRIME-N-BOND is water based and is non-hazardous under normal conditions of use. In case of skin contact, wash immediately with water.
- Wear gloves and protective goggles.
- Contact your local LATICRETE Technical Sales Representative with any questions.
- Not for submerged applications.
- Keep out of reach of children.

#### 4. TECHNICAL DATA

Actual field performance will depend on installation methods and site conditions. Specifications are subject to change without notification. Technical data shown in LATICRETE 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 greatly due to variability of critical job site factors.

#### 5. INSTALLATION

##### Surface Preparation

- Substrates must be dry, clean, structurally sound, cured and free from laitance, oil and grease
- Remove loose substances that may act as a bond inhibitor such as oil, wax, asphalt, paint, curing compounds, sealers, ect...
- Inspect and repair cracks and joints
- Joints where movement is anticipated must be honored through the finished flooring.
- Do not use chemicals to etch or prepare surfaces

##### Mixing

Stir before use to ensure that settling has not occurred during shipment and storage. Product is ready-to use. Do not dilute.

##### Application

Apply PRIME-N-BOND with a 3/8 (9mm) nap roller or brush Apply a thin even film to the surface,

##### Drying Time

Allow PRIME-N-BOND to dry before applying a polymer modified mortar. The minimum waiting time is 15 – 60 minutes depending on the substrate and environmental conditions. When used as primer for self-leveling cement (e.g. NXT LEVEL) allow 2 – 5 hours for PRIME-N-BOND to dry before self-leveling cement is poured.

If PRIME-N-BOND dries for more than 72 hours before application of the self-leveling cement, clean the surface, re-apply an additional coat of PRIME-N-BOND and install the self-leveling cement within 72 hours. Mix and install self-leveling cement per manufacturers product data sheet and installation instructions.

##### Cleaning

All tools and equipment should be cleaned promptly with water.

#### 6. AVAILABILITY AND COST

##### Availability

LATICRETE® and LATAPOXY® 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.laticrete.com](http://www.laticrete.com).

##### Cost

Contact a LATICRETE Distributor in your area.

## 7. WARRANTY

See 10. FILING SYSTEM

DS 230.13: LATICRETE 1 Year Product Warranty

A component of:

DS 025.0: LATICRETE 25 Year Tile & Stone System  
Warranty

DS 230.10: LATICRETE 10 Year Tile & Stone System  
Warranty

DS230.05: LATICRETE 5 Year Tile & Stone System  
Warranty

## 8. MAINTENANCE

Non-finish LATICRETE and LATAPOXY installation materials require no maintenance but installation performance and durability may depend on properly maintaining products supplied by other manufacturers.

## 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](http://www.laticrete.com).

## 10. FILING SYSTEM

Additional product information is available on our website at [www.laticrete.com](http://www.laticrete.com). The following is a list of related documents:

DS 230.13: LATICRETE 1 Year Product Warranty

DS 230.99: LATICRETE Lifetime Tile & Stone System  
Warranty

DS 025.0: LATICRETE 25 Year Tile & Stone System  
Warranty

DS 230.10: LATICRETE 10 Year Tile & Stone System  
Warranty

DS230.05: LATICRETE 5 Year Tile & Stone System  
Warranty

DS 507.0: NXT® Vapor Reduction Coating

DS 504.0: NXT LEVEL