



# NXT<sup>®</sup> Level

DS-504.0-0717

**Globally Proven  
Construction Solutions**



## 1. PRODUCT NAME

NXT<sup>®</sup> Level

## 2. MANUFACTURER

LATICRETE International, Inc.  
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## 3. PRODUCT DESCRIPTION

NXT Level is a cement-based underlayment for use in leveling interior substrates. NXT Level produces a flat, smooth and hard surface for the installation of finished flooring. NXT Level can be placed from 1/8–3" (3–76 mm) in a single lift.

### Suitable Substrates (Interior Only)

- Concrete
- Vinyl Tile
- Cement Terrazzo
- Exterior Glue Plywood
- Ceramic Tile and Stone
- Cement Mortar Beds
- Cement Backer Board\*

\* Consult cement backer board manufacturer for specific installation recommendations.

### Advantages

- Pourable and pumpable
- Inorganic; will not contribute to mold/mildew growth
- Suitable surface for most finished floor goods
- Can be applied directly over concrete testing at RH of 95% or less per ASTM F2170

### Packaging

50 lb (22.7 kg) bag/48 bags per pallet

### Color

Grey

### Approximate Coverage

Per 50 lb (22.7 kg) bag

Nominal Thickness	Approximate Coverage
1/8" (3 mm)	44.6 ft <sup>2</sup> (4.1 m <sup>2</sup> )
1/4" (6 mm)	22.3 ft <sup>2</sup> (2.1 m <sup>2</sup> )
1/2" (12 mm)	11.2 ft <sup>2</sup> (1.0 m <sup>2</sup> )
1" (25 mm)	5.6 ft <sup>2</sup> (0.5 m <sup>2</sup> )
2" (51 mm)	2.8 ft <sup>2</sup> (0.3 m <sup>2</sup> )
3" (76 mm)	1.9 ft <sup>2</sup> (0.2 m <sup>2</sup> )

### Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for one (1) year\* if stored off the ground in a dry area.

\* High humidity will reduce the shelf life of bagged product.

### Limitations

- Do not install NXT Level over particleboard, chipboard, hardboard (Masonite<sup>®</sup>), Luan panels, asbestos, gypsum-based patching materials, asphalt, coal tar, or lightweight insulating concrete, or any other dimensionally unstable materials.
- NXT Level is not recommended for steel-wheeled traffic.
- For interior use only.
- Do not install when surface temperature is below 40°F (4°C) or above 90°F (32°C).
- Do not install over painted surfaces.
- Do not exceed recommended mixing ratio as indicated in mixing instructions. Over watering will weaken product properties.
- Never mix with cement or admixtures.
- Do not apply NXT Level over waterproofing or crack isolation membranes.
- Adhesives/mastics, mortars and grouts for ceramic tile, pavers, brick and stone are not replacements for waterproofing membranes. When a waterproofing membrane is required, use a LATICRETE<sup>®</sup> Waterproofing Membrane on top of the dry NXT Level.
- Not for use in submerged applications.

*Note: Substrate deflection under all live, dead and impact loads, including concentrated loads, shall comply with applicable building code and finish floor manufacturer requirements.*

## Cautions

- Read and understand the Product Data Sheet and Material Safety Data Sheet.
- Check [www.laticrete.com](http://www.laticrete.com) for any technical bulletins or updated information about the product and its application
- Contact your local LATICRETE Technical Sales Representative with any questions.
- Consult MSDS for more safety information.
- Protect finished work from traffic until fully cured.
- Contains portland cement and silica sand. May irritate eyes and skin. Avoid contact with eyes or prolonged contact with skin. In case of contact, flush thoroughly with water.
- Do not take internally. Silica sand may cause cancer or serious lung problems. Avoid breathing dust. Wear a respirator in dusty areas.
- Keep out of reach of children.

## 4. TECHNICAL DATA

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 due to critical job site factors.



This product has a cradle-to-gate (with options) Product-Specific (Type III) Environmental Product Declaration. The PCR review, life cycle assessment and declaration were independently verified by UL Environment in accordance with ISO 14025, ISO 14040 and ISO 14044.

Pour Depth	1/8" to 3" (3 – 76 mm) Consult Technical Services for Depths Over 3"
Walkable	3-4 hours at 70°F (21°C)
Tensile Bond Strength (ASTM C 1583)	275 - 305 psi (1.9 – 2.1 MPa)
Flexural Strength (ASTM C 1708) 28 Day Cure	750 - 1000 psi (5.2 – 6.9 MPa)
Compressive Strength (ASTM C 1708) 28 Day Cure	4000 psi (27.6 MPa)
Set Time (ASTM C1708)	Initial @ 20 - 30 min. Final @ 35 - 40 min.
Installed Dry Weight (per square foot @ 1/4" (6mm))	2.3 - 2.5 lbs/ft²

## 5. INSTALLATION

### Surface Preparation

- Refer to TDS 230N NXT® Substrate Preparation and Primer Guide for more detailed surface preparation instructions.
- All concrete surfaces must achieve a minimum ICRICSP of 3.
- Clean substrate to eliminate dust, dirt, oil, grease, paint or any contaminants which may inhibit bonding. Do not use chemicals to clean substrate. Remove any loose particles by vacuuming and damp sponging.
- Refer to specific finished flooring industry requirements or standards for treatment of movement joints and cracks in the sub-floor. For exterior glue plywood substrates use 3.2# galvanized diamond metal lath.

- Maintain substrate temperature between 40 – 90°F (4 – 32°C) and air temperature between 50 – 90°F (10 – 32°C) during application and drying. Provide adequate ventilation to ensure uniform drying.

### Priming

Use NXT® Primer with every application of NXT self-leveling underlayments. See DS 502.0 and TDS 230N LATICRETE Substrate Preparation and Primer Guide for more detailed dilution, approximate coverage and application instructions.

*Note: Keep primed surface clean. Do not allow any foot traffic onto surface.*

### Mixing

NXT Level should be mixed with 4.0 – 4.5 quarts (3.8 – 4.3 ℓ) of water per 50 lb (22.7 kg) bag. Do not over water. For manual application, add product to water and mix for 2–3 min with a heavy duty drill (650 rpm) to obtain a lump free mix. NXT Level can also be used in most pump equipment. Please consult with a LATICRETE representative to verify equipment compatibility. A flow test should always be performed to ensure that the mix is homogeneous and free from separation. The ideal flow range for NXT Level is 10 – 11" (250 – 280 mm) using the LATICRETE Flow Test Method. See TDS 235N – NXT self-leveling underlayment Flow Test - for more detailed instructions on performing flow tests.

### Application

Substrate temperature must be between 40 – 90°F (4 – 32°C) during application and air temperature maintained between 50 – 90°F (10 – 32°C). Protect areas from direct sunlight. Do not use damp curing methods or curing and sealing compounds. If required to meet level tolerances, survey surface using a digital or electronic leveling device and apply level pegs as required. Adequate ventilation should be provided to ensure uniform drying. Pump or pour blended material onto substrate at an average thickness ranging between 1/8" to 3" (3–76 mm) for all surfaces except structural lightweight concrete where a minimum thickness of 5/8" (16 mm) and wood substrates minimum thickness of 1/2" (12 mm) must be maintained. Immediately following placement lightly smooth the surface and pour lines. When not using elevation pins the use of a gauge rake will assist in controlling material depth. Do not expose LATICRETE self-leveling underlayments to rolling dynamic loads, such as forklifts or scissor lifts, for at least 72 hours after installation at 70°F (21°C). Proper application is the responsibility of the user. Field visits by LATICRETE personnel are for the purpose of making technical recommendations only and not for supervising or providing quality control on the jobsite.

### Flooring Installation

Finished floor goods may be installed as soon as 3 days after application, subject to thickness, drying conditions and type of flooring materials. Non-moisture sensitive tile and stone can be applied once self-leveling underlayment is walkable, approximately 3 – 4 hours. Always refer to finished floor manufacturer's recommendations regarding installation instructions, restrictions, moisture conditions and compatibility.

Always test performance suitability and compatibility of finished floor systems prior to their application. Sample surfaces should be installed as a field test so as to be representative of entire surface and tested for intended use.

## 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® Product Warranty

A component of:

DS 230.05: LATICRETE 5 Year System  
Warranty (United States and Canada)

DS 230.10: LATICRETE 10 Year System  
Warranty (United States and Canada)

## 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 Product Warranty  
DS 230.05: LATICRETE 5 Year System  
Warranty (United States and Canada)  
DS 230.10: LATICRETE 10 Year System  
Warranty (United States and Canada)  
DS 236.0: 9235 Waterproofing Membrane  
DS 502.0: NXT® Primer  
DS 663.0: HYDRO BAN®  
TDS 230N: NXT Substrate Preparation and  
Primer Guide  
TDS 235N: NXT Self-Leveling Underlayment Flow Test

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