NXT™ Level Plus

DS-505.0-0414

Globally Proven Construction Solutions



1. PRODUCT NAME

NXT™ Level Plus

2. MANUFACTURER

LATICRETE International, Inc.
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3. PRODUCT DESCRIPTION

NXT Level Plus is a high quality, cement-based, free-flowing underlayment for use in leveling interior substrates. Rapid setting formula produces a flat, smooth and hard surface for the installation of finished flooring. NXT Level Plus can be placed from 1/8–1 1/4" (3–32 mm) in a single lift (consult LATICRETE Technical Services for pea gravel extension installation guidelines). NXT Level Plus is a LATICRETE approved substitute for NXT Level.

Suitable Substrates (Interior Only)

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

* Consult cement backer board manufacturer for specific installation recommendations.

Advantages

- Superior compressive strength formulation
- Easy to use and fast setting
- 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
- Long heal times for extended workability
- Water resistant, low-shrinking
- Pumpable, free-flowing; reduces sanding and troweling
- Compatible with most adhesives

Packaging

55 lb (25 kg) bag/40 bags per pallet

Color

Grey

Approximate Coverage

Per 55 lb (25 kg) bag

Nominal Thickness	Approximate Coverage
1/8" (3 mm)	49 ft² (4.6 m²)
1/4" (6 mm)	24 ft² (2.3 m²)
1/2" (12 mm)	12 ft² (1.1 m²)
3/4" (18 mm)	8.1 ft² (0.8 m²)
1" (25 mm)	6.1 ft² (0.6 m²)
1-1/4" (32 mm)	4.9 ft² (0.5 m²)

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 Plus over particleboard, chipboard, hardboard (Masonite®), Luan panels, asbestos, gypsum-based patching materials, asphalt, coal tar, or lightweight insulating concrete or any other dimensionally unstable materials.
- NXT Level Plus 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 Plus 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® Waterproofing Membrane on top of the dry NXT Level Plus.
- Not for use in submerged applications.
- Not for use as a wear surface.

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** 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

VOC/LEED Product Information

This product has been certified for Low Chemical Emissions (ULCOM/GG UL2818) under the UL GREENGUARD Certification Program for Chemical Emissions for Building Materials, Finishes and Furnishings (UL 2818 Standard) by UL Environment.

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.

Pour Depth	1/8" to 1 1/4" (3 – 32 mm) Consult Technical Services for Depths Over 1.25"
Walkable	1-4 hours at 70°F (21°C)
Tensile Bond Strength (ASTM C 1583)	270 - 390 psi (1.9 – 2.7 MPa)
Flexural Strength (ASTM C 1708) 28 Day Cure	840 - 1100 psi (5.8 – 7.6 MPa)
Compressive Strength (ASTM C 1708) 28 Day Cure	4000 - 4400 psi (27.6 – 30.3 MPa)
Set Time (ASTM C1708)	Initial @ 20 - 30 min. Final @ 35 - 40 min.
Installed Dry Weight (per square foot @ ¼" (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 ICRI CSP of 3 - 5.
- 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 subfloor. 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 installation 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 NXT 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 Plus should be mixed with 5.0 – 5.5 quarts (4.7 – 5.2 ℓ) of water per 55 lb (25 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 Plus 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 Plus is 11 – 12" (280 – 300 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, curing compounds or sealers. 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 1 1/4" (6 – 32 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 NXT™ 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 16 hours after application, subject to thickness, drying conditions and type of flooring materials. Non-Water sensitive tile and stone can be applied once self-leveling underlayment is walkable, approximately 1 - 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**.

Cost

Contact a LATICRETE Distributor in your area.

7. WARRANTY

See 10. FILING SYSTEM

DS 230.13: LATICRETE Product Warranty (United States and Canada)

A component of:

DS 025.0APD: LATICRETE 25 Year Tile & Stone System Warranty (United States and Canada)

DS 230.99APD: LATICRETE Lifetime Tile & Stone 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**.

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 (United States and Canada)
DS 025.0APD: LATICRETE 25 Year Tile & Stone System Warranty (United States and Canada)
DS 230.99APD: LATICRETE Lifetime Tile & Stone System Warranty (United States and Canada)
DS 236.0: 9235 Waterproofing Membrane
DS 504.0: NXT Level
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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