



NXT[®] LEVEL PLUS

DS-505-0420

**Globally Proven
Construction Solutions**



Advantages

- Finish floor goods can be applied quickly, 12 hours after NXT Level Plus installation
- Inorganic; will not contribute to mold/mildew growth
- Suitable surface for most finished floor goods
- Easy to use; free-flowing
- Can be applied directly over concrete testing at RH of 95% or less per ASTM F2170
- Long heal times for extended workability
- Low-shrinkage
- Compatible with most adhesives
- Pumpable, reduces sanding and troweling
- Direct replacement for DRYTEK LEVELEX PLUS

Suitable Substrates

- Cement Backer Board
- Cement Mortar Bed
- Cement Terrazzo
- Ceramic Tile and Stone
- Concrete
- STRATA_HEAT Mat
- STRATA_MAT
- Vinyl Tile
- Exterior Glue Plywood (Interior Only)

Packaging

Part: 0901-2200-21
2200LB (1000KG) SACK / 18 per truck /

Part: 0901-0055-21
55LB (22.7KG) BAG / 40 per pallet /

Approximate Coverage

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

1. PRODUCT NAME

NXT[®] LEVEL PLUS

2. MANUFACTURER

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

Telephone: +1.203.393.0010, ext. 1235

Toll Free: 1.800.243.4788, ext. 1235

Fax: +1.203.393.1684

Website: laticrete.com

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). Equipped with Microban Anti-Microbial Protection

Uses

- Commercial, retail (malls & shops)
- Health care, hospitals
- Education (schools & universities)
- Residential
- Hotels

4. TECHNICAL DATA



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, chip board, 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.
- Crack Isolation properties are not applicable when using NXT Level Plus over STRATA_MAT or STRATA_HEAT Mat.

Cautions

- Read and understand the Product Data Sheet and 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 SDS for more safety information.
- Protect finished work from traffic until fully cured.
- Contains portland cement and silica sand. Causes serious skin and eye damage. Wear protective gloves/protective clothing. In case of contact, flush thoroughly with water.
- Do not take internally. Silica sand may cause cancer, respiratory irritation, or serious lung problems. Do not breathe dust. Wear a respirator in dusty areas.
- Keep out of reach of children.

Physical Properties

Test	Test Method
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 – 2.1 MPa)
Flexural Strength ASTM C-1708	840 - 1100 psi (5.2 – 6.9 MPa)
Compressive Strength ASTM C-1708	1 day = 2500 psi (20.7 MPa) 7 day = 3500 (24.1 MPa) 28 day = 4500 psi (26.2 MPa)
Set Time ASTM C-1708	Initial @ 20 - 30min. Final @ 35 - 40min.
Installed Dry Weight (per square foot @	

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

- Refer to TDS 230N NXT Substrate Preparation and Primer Guide for more detailed surface preparation instructions.
- 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 galvanized diamond metal lath. (STRATA_MAT or STRATA_HEAT Mat can be use in lieu of lath when using NXT Level Plus).

- 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 LATICRETE Substrate Preparation and Primer Guide for more detailed dilution, approximate coverage and application instructions.
- Primer is not required when using NXT Level Plus over STRATA_MAT or STRATA_HEAT Mat.

Note: Keep primed surface clean. Do not allow any foot traffic onto the 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" – 1 1/4" (6 – 32 mm) for all surfaces. Wood substrates need a minimum thickness of 1/2" (12 mm).

- Wood substrates minimum 1/2" (12mm). Please see TDS-230N for more details.
- Minimum 1/2" (12mm) pour thickness over top of STRATA_MAT or STRATA_HEAT Mat when NXT Level Plus is used.

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.

Application tools offered by LATICRETE:

- 7316-LVPG-25 / LATICRETE Elevation Pins
- 7317-NIVC-HS / LATICRETE Electronic Survey Tool
- 7319-TOOL-CR / Self-Leveling Underlayment & Overlayment Tool Kit

Flooring Installation

Always refer to finished floor manufacturer's recommendations regarding installation instructions, surface prep, 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.

In good drying conditions (ambient air temperature 65 – 75°F (18 - 24°C) / 40 – 60% RH) finished floor covering may be installed 12 hours after installation of NXT LEVEL PLUS. Non-moisture sensitive tile and stone can be applied once self-leveling underlayment is walkable, approximately 3 - 4 hours. Lower temperatures, higher RH, poor ventilation, and thicker self-leveling application will extend self-leveler dry time.

NXT self-leveling products are not a vapor barrier and will allow passage of moisture vapor. Prior to installing NXT self-leveling products, the concrete must be tested for moisture conditions. If the concrete moisture conditions exceed the floor covering manufacturer's requirements for the finished flooring a moisture mitigation epoxy must be applied before installing NXT self-leveling. Use NXT Vapor Reduction Coating or Vapor Ban Primer ER prior installing NXT self-leveling products.

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:

- DS 025.0: 25 Year System Warranty
- DS 230.05: 5 Year System Warranty
- DS 230.10: 10 Year System Warranty
- DS 230.13: 1 Year Product Warranty

- DS 230.99: LATICRETE Lifetime 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. 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
- DS 025.0: LATICRETE 25 Year System Warranty (United States and Canada)
- DS 230.99: LATICRETE Lifetime 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
- DS 507.0: NXT Vapor Reduction Coating

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