1. PRODUCT NAME
NXT® LEVEL DL

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

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   Toll Free:  1.800.243.4788, ext. 1235
   Fax:                +1.203.393.1684
   Website:        laticrete.com

3. PRODUCT DESCRIPTION
NXT LEVEL DL (Decorative Leveler) is a polishable cement-based high quality, fast drying, dual purpose, self-leveling, interior wear surface topping that can be accented with a wide variety of coloring systems & finishes. Designed for use as a durable and attractive interior wear surface topping or as a high performance underlayment. For application over a wide variety of substrates including concrete, VCT and tile. NXT LEVEL DL can be placed from 1/16" to 1-1/4" (1.5 to 32 mm) in a single lift.

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

   Advantages
   ▪  Dual purpose; for use as an attractive interior wear surface or as a high performance underlayment
   ▪  Can be topically stained or integrally colored to match specific design needs
   ▪  Can be polished
   ▪  Can be applied directly over concrete testing at RH of 95% or less per ASTM F2170
   ▪  Inorganic; will not contribute to mold/mildew growth
   ▪  Superior compressive strength formulation
   ▪  Direct replacement for DRYTEK LEVELEX DL
   ▪  When used as an underlayment, NXT Level DL qualifies for all the same applicable warranties as NXT Level Plus

   Suitable Substrates
   ▪  STRATA_HEAT Mat (*See Application Instructions*)
   ▪  STRATA_MAT (*See Application Instructions*)
   ▪  Cement Backer Board
   ▪  Concrete
   ▪  Vinyl Tile
   ▪  Cement Terrazzo
   ▪  Exterior Glue Plywood
   ▪  Ceramic Tile and Stone
   ▪  Cement Mortar Bed

   Packaging
   55LB (22.7KG) BAG / 40 per pallet / Grey
   Part: 0907-0055-21

   2200LB (1000KG) SACK / 18 per truck / Grey
   Part: 0907-2200-21

   55LB (22.7KG) BAG / 40 per pallet / White
   Part: 0908-0055-22

   2200LB (1000KG) SACK / 18 per truck / White
   Part: 0908-2200-22

   Approximate Coverage

<table>
<thead>
<tr>
<th>Nominal Thickness</th>
<th>Approximate Coverage as a Wear Surface</th>
<th>Approximate Coverage as an Underlayment</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/16&quot; (1.5 mm)</td>
<td>96 ft² (8.9 m²)</td>
<td>100 ft² (9.3 m²)</td>
</tr>
<tr>
<td>1/8&quot; (3 mm)</td>
<td>48 ft² (4.5 m²)</td>
<td>50 ft² (4.6 m²)</td>
</tr>
<tr>
<td>1/4&quot; (6 mm)</td>
<td>24 ft² (2.2 m²)</td>
<td>25 ft² (2.3 m²)</td>
</tr>
<tr>
<td>1/2&quot; (12 mm)</td>
<td>12 ft² (1.1 m²)</td>
<td>12.5 ft² (1.2 m²)</td>
</tr>
<tr>
<td>3/4&quot; (18 mm)</td>
<td>8 ft² (0.7 m²)</td>
<td>8.3 ft² (0.8 m²)</td>
</tr>
<tr>
<td>1&quot; (25 mm)</td>
<td>6 ft² (0.6 m²)</td>
<td>6.3 ft² (0.6 m²)</td>
</tr>
<tr>
<td>1-1/4&quot; (32 mm)</td>
<td>4.8 ft² (0.4 m²)</td>
<td>5 ft² (0.5 m²)</td>
</tr>
</tbody>
</table>

   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
   ▪  Potential for cracking is quite common with all cement based products. Therefore, cracks are expected with decorative
cement topping projects and are not considered a manufacturing defect. LATICRETE cannot predict if, or to what extent, cracking will occur.

- Do not install over particleboard, interior glue plywood, chipboard, hardboard (Masonite®), Luan panels, asbestos, gypsum-based patching materials, asphalt, coal tar, or lightweight insulating concrete or any other dimensionally unstable materials.
- 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 over waterproofing or crack isolation membranes. When a waterproofing membrane is required, use a LATICRETE Waterproofing Membrane on top of NXT LEVEL DL.
- Do not use for submerged or continuously wet areas.
- Crack Isolation properties are not applicable when using NXT LEVEL DL.
- Do not apply over waterproofing or crack isolation membranes.
- Do not mix with cement or admixtures
- Do not install 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.
- Do not install when surface temperature is below 40°F (4°C) or above 90°F (32°C).
- 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 over waterproofing or crack isolation membranes. When a waterproofing membrane is required, use a LATICRETE Waterproofing Membrane on top of NXT LEVEL DL.
- Do not use for submerged or continuously wet areas.
- Crack Isolation properties are not applicable when using NXT LEVEL DL.
- Do not install 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.

Cautions
- 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 skin irritation and serious eye damage. Wear protective clothing, gloves and eye protection. In case of contact, flush thoroughly with water.
- Silica sand may cause cancer, respiratory irritation or serious lung problems. Avoid breathing dust. Wear a respirator in dusty areas.
- Keep out of reach of children

4. TECHNICAL DATA

Physical Properties

<table>
<thead>
<tr>
<th>Test</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pour Depth</td>
<td>1/16&quot; to 1 - 1/4&quot; (1.5 – 32 mm)</td>
</tr>
<tr>
<td>Walkable</td>
<td>1 - 2 hours at 70°F (21°C)</td>
</tr>
<tr>
<td>Tensile Bond Strength</td>
<td>200 - 300 psi (1.4 – 2.1 MPa)</td>
</tr>
<tr>
<td>Flexural Strength</td>
<td>1100 - 1400 psi (7.6 – 9.6 MPa)</td>
</tr>
<tr>
<td>Compressive Strength</td>
<td>28 day = 5100 psi (35.1 MPa)</td>
</tr>
<tr>
<td>Set Time (ASTM C1708)</td>
<td>Initial @ 20 - 30 min. Final @ 35 - 70 min.</td>
</tr>
</tbody>
</table>

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
- All concrete surfaces must achieve an ICRI CSP of 3-5. This is not applicable when pouring over STRATA_MAT or STRATA_HEAT Mat.
- 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.
- Inspect for contraction joints, construction joints and cracks in the substrate which may be subject to movement after installation of a NXT self-leveling underlayment. These must be maintained as joints through the NXT self-leveling underlayment.
- For exterior glue plywood substrates use 3.2# galvanized diamond metal lath. (STRATA_MAT or STRATA_HEAT Mat can be use in lieu of lath when using NXT LEVEL DL as an underlayment).
- Maintain substrate temperature between 40–90°F (4–32°C) during application and air temperature between 50–90°F (10–32°C) during drying. Provide adequate ventilation to ensure uniform drying.

Priming
- Use NXT Epoxy Primer when NXT LEVEL DL is used as a decorative wear surface.
- Use NXT Primer when NXT LEVEL DL is used as an underlayment over most substrates.
- Primer is not required when using NXT LEVEL DL over STRATA_MAT or STRATA_HEAT Mat.
- Refer to TDS 230N NXT Substrate Preparation and Primer Guide for more detailed application instructions.

Mixing
When used as an underlayment, NXT LEVEL DL should be mixed with 5.6 to 6 qts (5.3–5.7 L) of water per 55 lb (25 kg) bag. When used as a decorative wear surface NXT LEVEL DL should be mixed with 4.5 to 5.5 qts. (4.3-5.2 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 DL 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 mix is homogenized and free from separation for multiple bag mixes increase mixing time as needed. The ideal flow range for NXT LEVEL DL is 11–12” (280–300”) for underlayment. 10–11” (250–280 mm) for wear surface using a NXT Flow Test Kit. See TDS 235N Flow Test Method for more detailed instructions on conducting flow tests.
Application
Substrate temperature should 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 1/16" to 1-1/4" (1.5–32mm) for most surfaces except:

- Wood substrates minimum 1/2" (12mm)
- Minimum 3/4" (19mm) pour thickness over top of STRATA_MAT or STRATA_HEAT Mat when NXT LEVEL DL is used as a wear surface.
- Minimum 3/8" (12mm) pour thickness over top of STRATA_MAT or STRATA_HEAT Mat when NXT LEVEL DL is used as an underlayment.

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. Minimum of 1/2" thickness for polished applications. 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
When used as an underlayment, non-moisture sensitive finished floor goods may be installed as soon as 6 hours after application, subject to thickness, drying conditions and type of flooring materials. Always refer to finished floor manufacturer's recommendations regarding installation instructions, restrictions, moisture conditions and compatibility. Non-moisture sensitive ceramic tile and stone can be installed once self-leveling underlayment is walkable, approximately 1-2 hours subject to thickness and drying conditions.

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. When used as a decorative wear surface, perform a mock-up to ensure product will perform as required and achieve the desired finish appearance. Refer to TDS 185N NXT Wear Surface Variation for more information.

Sealing
When NXT LEVEL DL is used as a decorative wear surface a guard or topical sealer is needed to help protect the floor from stains. Note that most sealers will help protect from staining however spills must be thoroughly cleaned as soon as possible. When spills are left to dwell they will eventually penetrate and cause staining.

Polishing
NXT LEVEL DL can be polished after 24 hours. Refer to TDS 238N Polishing Guide for NXT LEVEL DL for more detailed information about polishing. Consult with polishing concrete contractor as there are many methods, levels of polish, unlimited color, and other design aspects that must be considered. Minimum recommended thickness for polished topping is 1/2 inch (12mm). Polishing requires a high degree of experience and craftsmanship. A suitable sized mock-up is required for obtaining owners acceptance prior to installation.

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:
- LATICRETE Product Warranty

8. MAINTENANCE
Some cleaning products/processes may alter the color of the installed floor. Test cleaning product and process in a small area prior to applying to the entire floor. Refer to TDS 184N Maintenance of NXT Cementitious Decorative Toppings, available at www.laticrete.com for more information.

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 1 Year Product Warranty
- DS 502.0: NXT Primer
- DS 029.3 NXT Epoxy Primer
- DS 507.0: NXT Vapor Reduction Coating
- DS 26.1: STRATA_HEAT Mat
- DS 26.0: STRATA_MAT
- TDS 230N: NXT Substrate Preparation and Primer Guide
- TDS 235N: NXT Flow Test Method
- TDS 238N: NXT Polishing Guide for NXT LEVEL DL

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- TDS 184N: Maintenance of NXT Decorative Toppings
- TDS 185N: NXT Wear Surface Variation