



NXT[®] LEVEL DL

DS-87.5-0322

**Globally Proven
Construction Solutions**



1. PRODUCT NAME

NXT[®] LEVEL DL

2. MANUFACTURER

LATICRETE International, Inc.
1 LATICRETE Park North
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 DL (Decorative Leveler) is a polishable cement-based, high quality, fast drying, self-leveling, monolithic, interior wear surface topping that can be accented with a wide variety of coloring systems & finishes. Can be pigmented to custom colors through our AnyColor™ program. Designed for use as a durable and attractive interior wear surface topping.

Uses

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

Advantages

- Available in standard colors of Grey and White

- Can be tinted to coordinate with interior finishes or branding designs through our– AnyColor™ custom color program
- Full system availability with L&M™ and STONETECH® products
- Provides a durable, attractive and low maintenance cementitious wear-surface grade concrete overlayment, suitable for polishing to various shine levels
- Self-leveling concrete overlayment formula is both pourable and pumpable (available in 50 lb. bags and 2200 lb. super sacks) to smooth existing rough concrete
- Inorganic; will not contribute to mold/mildew growth
- Can be installed from a 1/4" to 1-1/4"
- Superior compressive strength formulation
- Direct replacement for DRYTEK LEVELEX DL
- Equipped with Microban® antimicrobial product protection to fight the growth of stain-causing mold and mildew on the surface

Suitable Substrates

- Concrete
- Concrete slabs*

Packaging

Grey

- 55LB (24.9KG) BAG / 56 per pallet
Part: 0907-0055-21
- 2200LB (1000KG) SACK / 18 per truck
Part: 0907-2200-21

White

- 55LB (24.9KG) BAG / 56 per pallet
Part: 0908-0055-22
- 2200LB (1000KG) SACK / 18 per truck
Part: 0908-2200-22

Approximate Coverage

Nominal Thickness	Wear Surface
1/4" (6 mm)	24 ft ² (2.2 m ²)
1/2" (12 mm)	12 ft ² (1.1 m ²)
3/4" (18 mm)	8 ft ² (0.7 m ²)
1" (25 mm)	6 ft ² (0.6 m ²)
1-1/4" (32 mm)	4.8 ft ² (0.4 m ²)

- Coverage will vary depending on the texture of the surface. A survey is also recommended.
- 1/2" is typically recommended but less can be placed if desired.

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 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.
- The inherent nature of the self-leveling toppings provides unique variation from job to job. Aesthetic variations are common. Variations in the surface are outside of the control of LATICRETE and are not a considered a product defect.
- Cracks are common and expected with decorative cement based topping products. Cracks are not considered a product defect. LATICRETE cannot predict if or to what extent cracking will occur.
- LATICRETE concrete overlay's are not intended to be perfectly homogeneous in appearance. Shade of color may vary slightly as these use natural mined resources. The typical application procedures of spreading and smoothing, along with the sanding process, will result in optical variations in the appearance of the floor. The aesthetic appearance that is created is subject to possible technical and

artistic tolerances. Variations in the overall finished appearance should be expected.

- LATICRETE makes no guarantee on and does not warrant color matching to our NXT® ANYCOLOR™ chart, or to any color guide produced. Actual performance and appearance related characteristics as intended for use will depend on job site conditions, lighting, installation techniques and may vary from our color guide, color samples, and color swatch on product packaging. Always create a mock-up to validate actual appearance, performance and results before installing. No claims for color shade variations will be honored.

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 severe skin burns 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. Do not breathe dust. Wear a respirator in dusty areas.
- Keep out of reach of children

4. TECHNICAL DATA



Physical Properties

Test	Test Method
Pour Depth	1/4" to 1-1/4" (1.5 – 32 mm) 1/2" (12 mm) is typically recommended polishing applications. Lower depths can be done. Consult Technical Services for average depths over 1-1/4"
Walkable	1 - 2 hours at 70°F (21°C)
Tensile Bond Strength	200 - 300 psi (1.4 – 2.1 MPa)
ASTM C-1583	
Flexural Strength	1100 - 1400 psi (7.6 – 9.6 MPa)
ASTM C-1708	
Compressive Strength	1 day = 3000 psi (20.6 MPa) 7 day = 4000 (27.6 MPa) 28 day = 5100 psi (35.1 MPa)
ASTM C-1708	
Set Time	Initial @ 20 - 30min. Final @ 35 - 70min.
ASTM C-1708	
Installed Dry Weight (per square foot @ 1/4" (6mm))	2.4 - 2.5 lbs/ft ²

- All results are averages.

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

- See TDS230 SUBSTRATE PREPARATION AND PRIMER GUIDE for LATICRETE SELF-LEVELING PRODUCTS.

Priming

- When applying NXT Level DL as a wear surface over concrete, apply a LATICRETE epoxy with sand broadcast before application takes place. When applying over substrates other than concrete, consult LATICRETE Technical Services.

NOTE: If moisture is present, a moisture barrier must be used. See DS 502.0 and TDS230 SUBSTRATE PREPARATION AND PRIMER GUIDE for LATICRETE SELF-LEVELING PRODUCTS for more detailed information.

- NXT Vapor Reduction Coating (sand broadcast required, cure time of 12 hours)
- VAPOR BAN Primer ER (sand broadcast required, cure time of 3 hour)

Mixing

When used as a decorative wear surface NXT Level DL should be mixed with 4.5 – 5.5 qts. (4.3 – 5.2 L) of water per 55 lb (25 kg) bag. This is for either white or grey. 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. Consult with a LATICRETE representative to verify equipment compatibility.

WHEN ADDING NXT® ANYCOLOR™ liquid pigments

NXT Level DL can be integrally colored using NXT® ANYCOLOR™ universal liquid pigments. At a rate of 1 unit of liquid pigment per each 55 lb. (24.9KG) BAG of NXT Level DL.

First add NXT® ANYCOLOR™ universal liquid pigment to the pre-measured clean potable mixing water in your clean mixing container, prior to adding any NXT Level DL powder. Mix with a drill mixer until pigment is evenly dispersed in the mixing water. Finally add your NXT Level DL powder to the pigmented mixing water as directed above and mix for 2 – 3 min. with a heavy-duty drill (650 rpm) to obtain a lump free mix. Verify actual appearance and compatibility with a field mock-up prior to installing

CAUTION: DO NOT OVER WATER OR OVER MIX. OVER WATERING WILL CAUSE BLEEDING OR SAND SEGREGATION.

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 10 to 11" (or 127mm to 140 mm) 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 1/4" – 1 1/4" (1.5 – 32mm). Applications of 1/2" are typically recommended but lowered depths can be done. Immediately following placement lightly smooth the surface and pour lines. When not using level pegs the use of a gauge rake will assist in controlling material depth. Do not expose NXT Level DL to rolling dynamic loads such as forklifts or scissor lifts, for at least 72 hours after installation. 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

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. Refer to TDS 238 Polishing Guide for sealing recommendations. Refer to TDS 184 Maintenance of Decorative Overlays

Polishing

NXT Level DL can be polished after 24 hours. Refer to TDS 238 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. Polishing requires a high degree of experience and craftsmanship. A suitable sized mock-up is required for obtaining owners acceptance prior to installation.

Surface Preparation

Refer to TDS 230 SUBSTRATE PREPARATION AND PRIMER GUIDE for LATICRETE SELF-LEVELING PRODUCTS for more detailed surface preparation instructions.

Clean Up

In case of spillage, sweep or vacuum into appropriate container and dispose of in accordance with applicable local, provincial and federal regulations.

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 230.13: 1 Year 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-35222 VAPOR BAN PRIMER ER
- TDS 230: SUBSTRATE PREPARATION AND PRIMER GUIDE for LATICRETE SELF-LEVELING PRODUCTS
- TDS 235N: NXT Flow Test Method
- TDS 238: Guide for Polishing LATICRETE Self-Leveling Overlayments
- TDS 184: Maintenance of NXT Decorative Toppings
- TDS 185: NXT Wear Surface Variation

LATICRETE International, Inc.

One LATICRETE Park North, Bethany, CT 06524-3423 USA • 1.800.243.4788 • +1.203.393.0010 • www.laticrete.com

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