



# DRYTEK® LEVELEX DL

DS-029.2-1017

**Globally Proven  
Construction Solutions**



## 1. PRODUCT NAME

DRYTEK™ LEVELEX DL

## 2. MANUFACTURER

LATICRETE International, Inc.

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## 3. PRODUCT DESCRIPTION

DRYTEK LEVELEX 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/high performance underlayments. Designed for use as a durable and attractive interior wear surface topping or a high performance underlayment. For application over a wide variety of substrates including concrete, VCT and tile. DRYTEK LEVELEX DL can be placed from 1/16" to 1-1/4" (1.5 to 32 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

\*Concrete is the only suitable substrate when using DL as a wear surface.

### 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

### Packaging

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

### Color

Grey and White

### Approximate Coverage as a Wear Surface

Per 55 lb (25 kg) bag

Nominal Thickness	Approximate Coverage as a Wear Surface	Approximate Coverage as an Underlayment
1/16" (1.5 mm)	96 ft <sup>2</sup> (8.9 m <sup>2</sup> )	100 ft <sup>2</sup> (9.3 m <sup>2</sup> )
1/8" (3 mm)	48 ft <sup>2</sup> (4.5 m <sup>2</sup> )	50 ft <sup>2</sup> (4.6 m <sup>2</sup> )
1/4" (6 mm)	24 ft <sup>2</sup> (2.2 m <sup>2</sup> )	25 ft <sup>2</sup> (2.3 m <sup>2</sup> )
1/2" (12 mm)	12 ft <sup>2</sup> (1.1 m <sup>2</sup> )	12.5 ft <sup>2</sup> (1.2 m <sup>2</sup> )
3/4" (18 mm)	8 ft <sup>2</sup> (0.7 m <sup>2</sup> )	8.3 ft <sup>2</sup> (0.8 m <sup>2</sup> )
1" (25 mm)	6 ft <sup>2</sup> (0.6 m <sup>2</sup> )	6.3 ft <sup>2</sup> (0.6 m <sup>2</sup> )
1-1/4" (32 mm)	4.8 ft <sup>2</sup> (0.4 m <sup>2</sup> )	5 ft <sup>2</sup> (0.5 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

- 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
- 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 DRYTEK™ LEVELEX DL (see Section 10 FILING SYSTEMS).
- Not for use in submerged or continuously wet areas.

### Cautions

Before using any DRYTEK product:

- Check [www.laticrete.com](http://www.laticrete.com) for any technical bulletins or updated information about the product and its application
- Contact your local DRYTEK 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. 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



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	1/16" to 1-1/4" ( 1.5–32 mm) Consult Technical Services for depths over 1-1/4" (32mm)
Walkable	1-2 hours at 70°F (21°C)
Tensile Strength (ASTM C1583)	200-300 psi (1.4 – 2.1 MPa)
Flexural Strength (ASTM C1708) 28 Day Cure	1100 - 1400 psi (7.6 – 9.6 MPa)
Compressive Strength (ASTM C1708) 28 Day Cure	28d: 4500 - 5100 psi (31.0 – 35.1 MPa)
Set Time (ASTM C1708)	Initial @ 20-30 min. Final @ 35-70 min.
Installed Dry Weight (per square foot @ 1/4" (6 mm)	2.4–2.5 lb/ft² (11.8–12.3 kg/m²)

Specifications are subject to change without notification. Technical data shown in DRYTEK® 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.

## 5. INSTALLATION

### Surface Preparation

- Refer to TDS 230D DRYTEK Substrate Preparation and Primer Guide for more detailed surface preparation instructions
- All concrete surfaces must achieve an ICRI CSP Profile 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.
- Inspect for contraction joints, construction joints and cracks in the substrate which may be subject to movement after installation of a DRYTEK self-leveling underlayment. These must be maintained as joints through the DRYTEK self-leveling underlayment.
- For exterior glue plywood substrates use 3.2# galvanized diamond metal lath.
- 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 DRYTEK Primer with every application of DRYTEK self-leveling underlayments. See DS 076.0 and TDS 230D DRYTEK Substrate Preparation and Primer Guide for more detailed dilution, approximate coverage and application instructions.
- Use DRYTEK Epoxy Primer with every application of DRYTEK decorative wear surface product (e.g. DRYTEK LEVELEX DL). See and TDS 230D DRYTEK Substrate Preparation and Primer Guide for approximate coverage and application instructions.

### Mixing

When used as an underlayment, DRYTEK LEVELEX 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 DRYTEK LEVELEX 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. DRYTEK LEVELEX 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 DRYTEK LEVELEX DL is 11–12" (280–300 mm) for underlayment, 10–11" (250–280 mm) for wear surface using a DRYTEK Flow Test Kit. See TDS 235D – Flow Test Method - for more detailed instructions on performing 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" (1.5–32 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 DRYTEK 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. Ceramic tile and stone can be applied once self-leveling underlayment is walkable, approximately 1-2 hours.

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 DRYTEK™ Wear Surface Variation for more information.

### Sealing

When used as a decorative wear surface, DRYTEK LEVELEX DL requires the use of a topical sealer. L&M™ LUMISEAL FX™ may be applied 3-5 days following the installation of DRYTEK LEVELEX DL dependent upon jobsite conditions and pour thickness. Refer to applicable datasheet for installation instructions and restrictions

### Polishing

DRYTEK LEVELEX DL can be polished after 12 hours. Refer to TDS 238D Polishing Guide for LEVELEX DL for more detailed information about polishing. Consult with polishing concrete contractor as there many methods, levels of polish, unlimited color, and other design aspects that must be considered.

Minimum recommended pour depth for polished topping is ½ inch. Polishing topping material required 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

#### For Distributor Information, Call:

Telephone: +1.203.393.0010

For on-line Distributor information, visit DRYTEK at

[www.laticrete.com](http://www.laticrete.com).

### Cost

Contact a LATICRETE Technical Sales Representative in your area.

## 7. WARRANTY

See 10. FILING SYSTEM

DS 230.13: LATICRETE® 1 Year Product Warranty

## 8. MAINTENANCE

Some cleaning products/processes may alter the color of the installed DRYTEK floor. Test cleaning product and process in a small area prior to applying to the entire floor. Refer to TDS 184D "Maintenance of DRYTEK Cementitious Decorative Toppings", available at [www.laticrete.com](http://www.laticrete.com) for more information.

## 9. TECHNICAL SERVICES

### Technical Assistance

Information is available by calling the Technical Service Hotline:

Telephone: +1.877. 379.8351, ext. 247

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 1 Year Product Warranty
DS 502.0:	DRYTEK Primer
DS 029.4:	DRYTEK Decoupling Mat
TDS 230D:	DRYTEK Substrate Preparation and Primer Guide
TDS 235D:	DRYTEK Flow Test Method
TDS 238D:	DRYTEK Polishing Guide for LEVELEX DL
DS 507.0:	DRYTEK Vapor Reduction Coating