



# DRYTEK® LEVELEX™ FR

DS-075.1-0814

**Globally Proven  
Construction Solutions**



## 1. PRODUCT NAME

DRYTEK® LEVELEX™ FR

## 2. MANUFACTURER

LATICRETE International, Inc.

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+1.877. 379.8351, ext. 247

Fax: +1.203.393.1684

Internet: [www.drytek.com](http://www.drytek.com)

## 3. PRODUCT DESCRIPTION

DRYTEK LEVELEX FR (Fiber Reinforced) is a premium quality, cement based, self-leveling underlayment designed for interior applications. DRYTEK LEVELEX FR is fast drying and formulated for use over a wide range of substrates including concrete, VCT, exterior glue plywood, and tile. DRYTEK LEVELEX FR can be placed from 1/8 – 2" (3 – 51 mm) in a single lift and is ideal for radiant heat floors.

DRYTEK LEVELEX FR is an approved substitute for DRYTEK 7600 offering identical product performance.

### Suitable Substrates (Interior Only)

- Concrete
- Vinyl Tile
- Cement Terrazzo
- Exterior Glue Plywood
- Ceramic Tile and Stone
- Cement Mortar Beds

## Advantages

- Fiber reinforced
- Water resistant, low shrinkage
- Fast setting
- Pumpable, free-flowing
- Compatible with most adhesives
- Recommended for radiant heating systems
- Can be applied directly over concrete testing at RH of 95% or less per ASTM F2170

## 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)	48 ft <sup>2</sup> (4.5 m <sup>2</sup> )
1/4" (6 mm)	24 ft <sup>2</sup> (2.2 m <sup>2</sup> )
1/2" (12 mm)	12 ft <sup>2</sup> (1.1 m <sup>2</sup> )
1" (25 mm)	6 ft <sup>2</sup> (0.6 m <sup>2</sup> )
2" (51 mm)	3 ft <sup>2</sup> (0.3 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

- Do not install DRYTEK LEVELEX FR 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.
- DRYTEK LEVELEX FR 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 DRYTEK LEVELEX FR 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 DRYTEK® LEVELEX™ FR.
- Not for use in submerged applications.

#### Cautions

- Read and understand the Product Information Sheet and Material Safety Data Sheet.
- Check [www.drytek.com](http://www.drytek.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

Pour Depth	1/8" to 2" (3 – 51 mm) Consult Technical Services for depths over 2"(51mm)
Walkable	1-2 hours at 70°F (21°C)
Tensile Strength	435 psi (3 MPa)
Flexural Strength (ASTM C 1708) 28 Day Cure	1300 psi (9 MPa)
Compressive Strength (ASTM C 1708) 28 Day Cure	28d: 5000 psi (34.5 MPa)
Set Time (ASTM C1708)	Initial @ 15 - 20 min. Final @ 25 - 35 min.
Installed Dry Weight (per square foot @ 1/4" (6mm)	2.2 lbs/ft² (10.8 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 or DRYTEK Decoupling Mat.

- 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 LEVELEX 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.

*Note: Keep primed surface clean. Do not allow any foot traffic onto surface.*

### Mixing

Mix DRYTEK LEVELEX FR with 4.3 – 5 quarts (4.1 – 4.7ℓ) 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 for multiple bag mixes increase mixing time as needed. DRYTEK LEVELEX FR can also be used in most pump equipment. Please consult with a DRYTEK 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 DRYTEK LEVELEX FR is 10 – 11" (250 – 280 mm) using a DRYTEK Flow Test Kit. See TDS 235D – DRYTEK 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 1/8" to 2" (3 – 51 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. 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 3 days 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. Any moisture testing must be performed prior to installation of DRYTEK LEVELEX FR. 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.

## 6. AVAILABILITY AND COST

### Availability

#### For Distributor Information, Call:

Telephone: +1.203.393.0010

For on-line Distributor information, visit DRYTEK at

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

### Cost

Contact a DRYTEK Technical Sales Representative in your area.

## 7. WARRANTY

See 10. FILING SYSTEM

DS 230.13.: LATICRETE® Product Warranty

A component of:

DS 025.0: LATICRETE 25 Year 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 DRYTEK Technical Service

Hotline:

Telephone: +1.877.DRYTEK1, ext. 247 or;

+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.drytek.com](http://www.drytek.com).

## 10. FILING SYSTEM

Additional product information is available on our website at [www.drytek.com](http://www.drytek.com). The following is a list of related documents:

DS 076.0: DRYTEK™ LEVELEX™ Primer

DS 079.0: DRYTEK® Decoupling Mat

DS 056.0: DRYTEK Moisture Vapor Barrier

DS 230.13: LATICRETE Product Warranty

DS 025.0: LATICRETE 25 Year System Warranty  
(United States and Canada)

TDS 230D: DRYTEK Substrate Preparation and Primer  
Guide

TDS 235D: DRYTEK Flow Test Method