



DRYTEK® LEVELEX® Plus

DS-74.1-0420

**Globally Proven
Construction Solutions**



1. PRODUCT NAME

DRYTEK® LEVELEX® Plus

2. MANUFACTURER

LATICRETE International, Inc.

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Fax: +1.203.393.1684

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3. PRODUCT DESCRIPTION

DRYTEK LEVELEX Plus is a high quality, self-leveling, cement-based underlayment designed for use over various interior substrates. DRYTEK LEVELEX Plus formulation provides a highly smooth surface on which sensitive finished floor goods can be installed. DRYTEK LEVELEX 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).

DRYTEK LEVELEX Plus is an approved substitute for DRYTEK 7200 offering identical product performance. Equipped with Microban Anti-Microbial Protection

Advantages

- Superior compressive strength formulation
- Easy to use and fast setting
- UL GreenGuard Gold certified
- Inorganic; will not contribute to mold/mildew growth
- Suitable surface for most finished floor goods
- Can be applied directly over concrete testing at RH of 95% or less per ASTM F2170
- Long heal times for extended workability

- Water resistant
- Pumpable, free-flowing; eliminates sanding and troweling
- Compatible with most adhesives

Suitable Substrates

- Concrete
- Vinyl Tile
- Cement Terrazzo
- Exterior Glue Plywood (Interior Only)
- Ceramic Tile and Stone
- Cement Mortar Bed

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)	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)

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® Plus over particleboard, interior glue plywood, chip-board,

hardboard (Masonite®), Luan panels, asbestos, gypsum-based patching materials, asphalt, coal tar, or lightweight insulating concrete or any other dimensionally unstable materials.

- DRYTEK LEVELEX 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 DRYTEK LEVELEX 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 contact LATICRETE Technical Services.
- Not for use in submerged applications
- Note: Substrate deflection under all live, dead and impact loads, including concentrated loads, shall comply with applicable building code and finish floor manufacturer requirements.

Cautions

- Before using any DRYTEK® product:
- Check 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
- During cold weather, 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
- Consult SDS for more safety information

4. TECHNICAL DATA

VOC/LEED Product Information

This product has been certified for Low Chemical Emissions (ULCOM/GG UL2818) under the UL GREENGUARD Certification Program. For Chemical Emissions. For Building Materials, Finishes and Furnishings (UL 2818 Standard) by UL Environment.

Applicable Standard

- 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.

Physical Properties

Pour Depth	1/8" to 1 1/4" (3 – 32 mm) Consult Technical Services for depths over 1-1/4" (32 mm)
Walkable	1-4 hours at 70°F (21°C)
Tensile Strength (ASTM C 1583)	270 - 390 psi (1.9 – 2.7 MPa)
Flexural Strength (ASTM C 1708) 28 Day Cure	840 - 1100 psi (5.8 – 7.6 MPa)
Compressive Strength (ASTM C 1708) 28 Day Cure	28d: 4400 psi (30.3 MPa)
Set Time (ASTM C1708)	Initial @ 20 - 30 min. Final @ 35 - 40 min.
Installed Dry Weight (per square foot @ 1/4" (6 mm)	2.4 - 2.5 lb/ft² (11.8 – 12.3 kg/m²)

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 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

DRYTEK LEVELEX Plus should be mixed with 5–5.5 qts (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. For multiple bag mixes increase mixing time as needed. DRYTEK LEVELEX Plus 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 Plus is 11–12" (280–300 mm) using a DRYTEK Flow Test Kit. See TDS 235D –Flow Test Method - 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 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 1 1/4" (6–32 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. 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 16 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 applied once self-leveling underlayment is walkable, approximately 1–4 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

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:

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 200.03: 3 Year Wear Surface System Warranty (United States and Canada)
- DS 076.0: DRYTEK® LEVELEX® Primer
- DS 079.0: DRYTEK® Decoupling Mat
- TDS 230D: DRYTEK Substrate Preparation and Primer Guide
- TDS 235D: DRYTEK Flow Test Method
- DS 663.0: HYDRO BAN

- DS 236.0: 9235 Waterproofing Membrane

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