



DRYTEK® 8400

DS-044.0-0714

**Globally Proven
Construction Solutions**



Packaging

25 lbs. (11.3 kg) bag/64 bags per pallet

Color: Grey

Approximate Coverage

Per 25 lbs. (11.3 kg) bag

Nominal Thickness	Approximate Coverage
1/8" (3 mm)	32.5 ft ² (3.0 m ²)
1/4" (6 mm)	16.3 ft ² (1.5 m ²)
1/2" (13 mm)	8.1 ft ² (0.8 m ²)
1" (25 mm)	4.1 ft ² (0.4 m ²)
1-1/2" (38 mm)	2.7 ft ² (0.3 m ²)

1. PRODUCT NAME

DRYTEK® 8400

2. MANUFACTURER

LATICRETE International, Inc.

1 LATICRETE Park North

Bethany, CT 06524-3423 USA

Telephone: +1.877.DRYTEK1, ext. 247 or;
+1.877. 379.8351, ext. 247

Fax: +1.203.393.1684

Internet: www.drytek.com

3. PRODUCT DESCRIPTION

DRYTEK 8400 is a premium quality, fast setting, cement-based patching and repair mortar designed for use over most substrates including concrete, exterior glue plywood*, VCT and tile. Excellent for deep fills and ramping on interior and exterior applications. Can be applied using a trowel from 1/8 – 1 1/2" (3 – 38 mm) per lift.

DRYTEK 8400 was replaced by DRYTEK Patch which offers identical product performance.

Suitable Substrates

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

* Interior only

Advantages

- Interior or exterior applications
- Excellent Bond Strength
- Easy to Mix and Apply
- Fast drying, apply finish floor goods in as soon as 40 minutes
- Can be applied directly over concrete testing at RH of 95% or less per ASTM F2170

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 8400 over particleboard, chipboard, hardboard (Masonite®), Luan panels, asbestos, gypsum-based patching materials, asphalt, coal tar, lightweight insulating concrete or any other dimensionally unstable materials.
- DRYTEK 8400 is not recommended for steel-wheeled traffic.
- 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 8400 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 8400.
- 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:

- Read and understand the Product Data Sheet and Safety Data Sheet.
- 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.
- 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

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.

Application Depth	1/8" to 1 1/2" (3 – 38 mm)
Walkable	30 – 40 minutes at 70°F (21°C)
Tensile Bond Strength (ASTM C 1583)	435 psi (3 MPa)
Flexural Strength (ASTM C 1708) 28 Day Cure	1015 psi (7 MPa)
Compressive Strength (ASTM C 1708) 28 Day Cure	28d: 4350 psi (30 MPa)
Set Time (ASTM C1708)	Initial @ 15 - 20 min. Final @ 30 min.

5. INSTALLATION

Surface Preparation

- 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.
- Test surface bond strength of substrate. If minimum 72 psi (0.5 MPa) bond strength is not achieved or the substrate is contaminated mechanically clean by shot blasting or scarifying.
- Inspect for contraction joints, construction joints and cracks in the substrate which may be subject to movement after installation of DRYTEK® 8400. These must be maintained as joints through the DRYTEK 8400.
- 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.

Mixing

DRYTEK 8400 should be mixed with 3.25 – 3.5 quarts (3.1 – 3.3 L) of water per 25 lb. (11.3 kg) bag. Do not over water. Add product to water and mix for 2 – 3 min with a heavy duty drill (650 rpm) to obtain a lump free mix.

Application

Apply blended material onto substrate at a thickness of 1/8" – 1 1/2" (3 – 38 mm) for all surfaces. After initial set of material, remove all overlap marks, seams, and inconsistencies by scraping with steel trowel. Material can be walked on after 30 – 40 minutes.

Flooring Installation

Finished floor goods may be installed as soon as 40 minutes 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.

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.

Cost

Contact DRYTEK Technical Sales Representative in your area.

7. WARRANTY

See 10. FILING SYSTEM

DS 230.13: LATICRETE® Product Warranty

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.

10. FILING SYSTEM

Additional product information is available on our website at www.drytek.com. The following is a list of related documents:

DS 230.13: LATICRETE Product Warranty

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