



DRYTEK™

3000 Pumpable Lightweight Cement Underlayment

1. Product Name

DRYTEK™ 3000 Pumpable Lightweight Cement Underlayment

2. Manufacturer

Drytek Flooring Solutions, LLC
195 New Hampshire Avenue Suite 240
Portsmouth, New Hampshire 03801
Phone: (603) 334-3440 **Fax:** (603) 334-3449
E-Mail: info@drytek.com **Website:** www.drytek.com

3. Product Description

BASIC USE

DRYTEK™ 3000 is a revolutionary, fast-setting, lightweight cement made from a proprietary formula of cement and lightweight aggregate particles. These lightweight particles give this product a range of unique properties. DRYTEK™ 3000 is a key component of the DRYTEK™ FlowLite™ System - which consists of a substrate base of DRYTEK™ 3000 capped by a DRYTEK™ self-leveling material (such as DRYTEK™ 7400).

COMPOSITION AND MATERIALS

Engineered cement-based formula with expanded polystyrene lightweight aggregate.

SIZE

Available in 34 lb polyethylene lined paper bags

COLOR

Gray

YIELD

Approximately 18 Sq.Ft. per 34 lb. bag at 1" thickness

LIMITATIONS

DRYTEK™ 3000 may be installed either indoors or outdoors. In outdoor applications, the product must be topped or protected by suitable weather-resistant, load-bearing materials. If you have any questions about a specific application or installation situation please visit our website at www.drytek.com or contact your DRYTEK™ representative.



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4. Technical Data	
Pour Depth	3/4" minimum
Walkable	12 hours
Finished goods installed	Depends on capping material used
Tensile Bond Strength	Depends on capping material used
Flexural Strength	Depends on capping material used
Compressive Strength	6400 psi (when capped with DRYTEK™ 7400)
Shrinkage	Depends on capping material used
pH (wet)	12.5
Working Time	60 minutes
Dry Density	25-28 lb/ft ³
Ideal Slump Range	Depends on capping material used
Emissions (<i>Ammonia Development</i>)	Depends on capping material used
Installed Weight per ft ² @1/4"	Depends on capping material used

5. Installation

SURFACE PREPARATION

1. CLEAN: Clean substrate to eliminate dust, dirt, oil, grease, paint or any contaminants which may inhibit bonding. Mechanically clean weak or contaminated surfaces by shot blasting or scarifying. Do not use chemicals to clean the substrate.
2. TEST: Test surface bond strength of the substrate to ensure a minimum 72 psi (0.5 Mpa). Test the relative humidity (RH) of concrete substrate in accordance with ASTM F 2170 to ensure a 95% RH or lower.
3. CHECK CONDITIONS: Ensure substrate maintains minimum temperature of 50°F (10°C) during the application and the ambient temperature is maintained between 50-77°F (10-25°C).
4. PRIME: Prime substrate surface with DRYTEK™ Primer . . . OR . . .
5. LAY PE SHEET: If a floating floor or decoupling is desired - lay polyethylene (PE) sheeting (6 mil min.) over the entire floor surface. Fold sheet up at walls and other contact points to create a leak-free surface. Ensure plastic sheeting fits tightly against substrate, pipes, and other obstructions to prevent formation of air pockets. Overlap adjacent sheets, smooth wrinkles, and tape sheets at joints. Do not staple, glue, or otherwise attach the sheeting to the substrate.

MIXING

1. PLAN: Use yield table to determine how many bags of DRYTEK™ 3000 will be required to cover area at desired thickness. Plan for material working time of 60 minutes.
2. MANUAL MIX: Fill a sturdy mix container with 1.75 gallons (7 quarts) of water at 50°F min. Add one 34 lb bag of DRYTEK™ 3000 to water. Use entire bag of product. Mix for 2-3 minutes using a heavy duty drill at 650 rpm to obtain a lump-free mix.
3. PUMP APPLICATION: DRYTEK™ 3000 can be applied using standard pump/mix equipment. Contact your DRYTEK™ representative for more information.



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APPLICATION

1. RE-CHECK CONDITIONS: Make sure that the substrate, the material, and the mixing water are at a temperature of at least 50°F.
2. POUR: Pour blended material onto substrate at a minimum depth of $\frac{3}{4}$ inches.
3. SMOOTH: Immediately smooth the poured slurry with a smoother.
4. DRY: Provide adequate ventilation to ensure uniform drying. Let material dry for min of 12 hours. May be walked on (light foot traffic) after 12 hours. May be capped with a DRYTEK™ Self-Leveling product such as DRYTEK™ 7400 after 24 hours.

FLOORING INSTALLATION

COMPLETE THE DRYTEK™ FLOWLITE SYSTEM: After 24 hour min dry time, cap the DRYTEK™ 3000 base by pumping or pouring a DRYTEK™ self-leveling product (such as DRYTEK™ 7400) at a minimum depth of $\frac{1}{2}$ inch over the hardened DRYTEK™ 3000. Follow instructions on the DRYTEK™ self-leveling packaging (sold separately) for proper preparation and application.

INSTALL FINISHED FLOOR: After applying the DRYTEK™ self-leveling product per instructions - the finished floor (tile, carpet, wood etc.) may be installed per manufacturer's instructions.

NOTES:

- a) CAPPING DELAY: If installation of the DRYTEK™ self-leveling cap is delayed more than 72 hours after the DRYTEK™ 3000 is installed – allow the DRYTEK™ 3000 to dry for 24 hours, then loosely cover the surface with plastic sheeting. When ready to install the cap - remove the plastic sheeting, prime the surface with DRYTEK™ Primer, and install the DRYTEK™ self-leveling cap per product instructions.
- b) PROTECT FROM TRAFFIC: If heavy foot or equipment traffic is expected prior to capping, temporarily cover traffic lanes with plywood or similar material to protect the DRYTEK™ 3000 surface from damage. Remove plywood prior to the final capping step.
- c) SUBSTRATE DEFLECTION ISSUES: In applications where excessive floor deflection is anticipated, it is recommended that a heavy-duty fiberglass mesh or suitable metal lath be applied over the dried DRYTEK™ 3000, followed by a $\frac{1}{2}$ inch minimum depth cap (depth is dependent on application requirements) of a DRYTEK™ self leveling product such as DRYTEK™ 7400."
- d) RADIANT HEATING INSTALLATIONS: DRYTEK™ 3000 has insulating properties superior to that of standard concrete, and therefore provides an excellent base surface for radiant heating systems. However, because of these insulating properties, do NOT encapsulate radiant heating tubes in DRYTEK™ 3000. First, pour, smooth, and dry the DRYTEK™ 3000 per installation instructions. Then lay the radiant heating tubes on top of the hardened DRYTEK™ 3000. Finally, encapsulate the tubes with DRYTEK™ 7600 or 7800 per product instructions.

6. Availability

DRYTEK™ is available nationwide through DRYTEK™ authorized distributors.



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7. Warranty

3 Year Limited Warranty

Drytek Flooring Solutions, LLC warrants that all DRYTEK™ floor leveling products which are manufactured and sold by Drytek shall be free from manufacturing defects, whether patent or latent. Contact Drytek for complete warranty.

8. Maintenance

None required.

9. Material Storage & Handling

Product should be stored in dry conditions and in the original packaging. Use within 6 months of date of manufacture.

10. Technical Services

For technical assistance contact:

Drytek Flooring Solutions, LLC
Tech Services

Phone: (603) 334-3440 **Fax:** (603) 334-3449

E-Mail: info@drytek.com **Website:** www.drytek.com