

## FIBER-REINFORCED SELF-LEVELING CEMENT

### PRODUCT SUMMARY

**DRYTEK® 7600 FIBER REINFORCED** is a premium quality, cement based, self-leveling underlayment. Its fast drying formulation is designed for use over a wide range of substrates including concrete, PVC, VCT, wood, and ceramic and quarry tile.

### PERFORMANCE CHARACTERISTICS

- Creates a permanent Alkali Barrier
- Fiber Reinforced - may be installed directly over wood without use of reinforcement lath or mats
- Water damage stable
- Inorganic; will not contribute to mold/mildew growth
- Recommended for Radiant Heating Systems
- Can be applied directly over wet concrete (RH 95% or less per ASTM F2170) without risk of deterioration of adhesives

### TECHNICAL INFORMATION

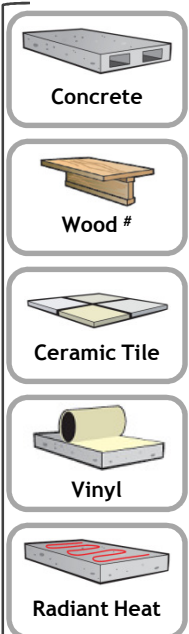
Pour Depths	1/8" - 2"
Coverage at 1/4" thickness per 55lb bag	28 ft <sup>2</sup>
Tensile Bond Strength <sup>A</sup>	> 435 PSI
Flexural Strength <sup>B</sup>	1300 PSI
Compressive Strength <sup>C</sup>	6400 PSI
Dry Density	106 lb / ft <sup>3</sup>
Installed Weight per ft <sup>2</sup> @ 1/4" thickness	2.21 lbs
Ideal Slump Range	10-11 inches
Shrinkage <sup>D</sup>	0.01-0.03%
pH (wet state)	9-11
Working Time	15-20 minutes
Walkable Time	1-2 hours
Install Floor Goods	as soon as 6 hours

NOTE: A) Tensile Bond Strength per ASTM C 1583 test at 28 days, DRYTEK/Primer system over concrete substrate.  
 B) Flexural Strength per ASTM C 384 - center point loading.  
 C) Compressive Strength per ASTM C 109 (air dry) - test at 28 days, 2" cubes, air dry.  
 D) Shrinkage per ASTM c 157 - time-series testing performed also using MTEC Tester.

### GREEN INFO: USGBC LEED CREDITS

PROJECT	CATEGORY	CREDIT	COMMENT
Indoor Environmental Quality	Low Emitting Materials	EQ 4.1	Negligible VOC content
Materials & Resources	Recycled Content	MR 4.1 MR 4.2	16% pre-consumer recycled material
	Local/Regional Materials	MR 5.1	Dover, NH
		MR 5.2	Job site manufactured with local water

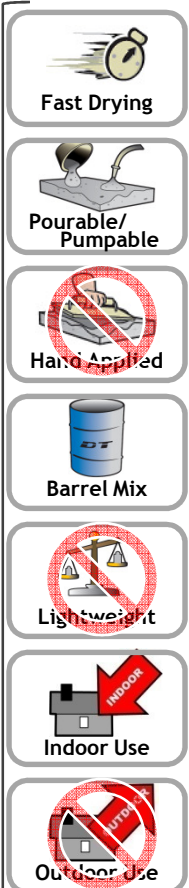
SUITABLE FOR INSTALLATION OVER THESE SUBSTRATES



FUNCTION



FEATURES



#### BEFORE USING ANY DRYTEK PRODUCT:

- Read and understand the Product Information Sheet and Material Safety Data Sheet.
- Perform a mock-up to ensure product will perform as required
- 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.

#### PREPARATION OF SUBSTRATE

- 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 felt-backed floor coverings. Remove cutback adhesive to a thin residue by razor scraping or equivalent. Remove any loose particles and vacuum.
- 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.
- Test moisture content of concrete substrate per ASTM F 2170. If substrate RH exceeds 95% (or if substrate RH exceeds the level required by the manufacturer of the floor goods or coatings to be applied over DRYTEK) then **DRYTEK® MVB** moisture vapor barrier prior to installing **DRYTEK® SELF-LEVELING CEMENT** .
- Inspect for contraction joints, construction joints, and cracks in the substrate which may be subject to movement after installation of **DRYTEK® SELF-LEVELING CEMENT**. These must be maintained as joints in the new surface.
- For wood substrates use **DRYTEK® DM1 REINFORCEMENT MAT**.
- Maintain substrate temperature at a minimum 43°F (6°C) during application and air temperature between 50-77°F (10-25°C) during drying. Provide adequate ventilation to ensure uniform drying.
- Prime substrate with **DRYTEK® PRIMER**.

#### MIXING

**DRYTEK® 7600** should be mixed with 4.5 to 5 quarts of water per 55 lb bag when. 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® 7600** can also be used in most pump equipment. Please consult with a DRYTEK representative to verify equipment compatibility. A slump test should always be performed to ensure that mix is homogenized and free from separation.

#### APPLICATION

Pour blended material onto substrate at a thickness of 1/8" to 2" (3-50mm). Wood substrates where no reinforcement mesh or lath will be used, a minimum thickness of 3/4" must be maintained. If using reinforcement mesh or lath over wood, a minimum 3/8" pour depth shall be maintained. Perform slump test and adjust water accordingly until ideal patty size of 10-11 inches is obtained. Immediately smooth the poured slurry with a smoother. After initial set of material, remove all overlap marks, seams, and inconsistencies by scraping with steel trowel. Material can be walked on after 1-2 hours.

#### TOPPING

A finish coat of **DRYTEK® SELF-LEVELING WEAR SURFACE** (such as **DRYTEK® 7400** or **DRYTEK® 9400**) may be applied to **DRYTEK® 7600** after material has set (1-4 hours). It is extremely important that **DRYTEK® 7600** is primed with two coats of **DRYTEK® PRIMER** following instructions for high suction substrates prior to application of **DRYTEK® SELF-LEVELING WEAR SURFACE**.

#### FLOORING INSTALLATION

Floor goods can be applied to surface 6 hours after application, depending on thickness, drying conditions and type of finished floor. Due to the relatively low pH level of **DRYTEK® SELF-LEVELING CEMENT**, finished floor goods can be applied rapidly without risk of adhesive bond failure. 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. Always refer to finished floor manufacturer's recommendations regarding installation instructions, restrictions and compatibility.

#### LIMITATIONS

Indoor applications only. For use over wood substrates only when **DRYTEK® DM1 REINFORCEMENT MAT** is used or with prior written approval from DRYTEK. For use over vinyl only with prior written approval from DRYTEK. When applied over ceramic or quarry tile, tile must be applied to a concrete substrate and well-bonded. Not for applications exposed to continuous water of intrusion. Must allow for eventual drying of substrates.

#### PACKAGING

**DRYTEK® 7600** is available in 55 lb polyethylene-lined paper bags.

#### STORAGE

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

**WARNING:** Dust may cause skin, eye, nose, throat, or respiratory irritation. Avoid dust inhalation and exposure to dust. If dusty, wear a NIOSH/MSHA- approved dust respirator. Use proper ventilation to reduce dust exposure. Portland cement is strongly alkaline and can be corrosive to eyes, skin, and respiratory tract. Wear eye and skin protection. If eye contact occurs, immediately flush thoroughly with water for 15 minutes and get medical attention. Do not ingest. If ingested and any discomfort occurs, call physician. **Keep out of reach of children.** For more information and Material Safety Data Sheets please visit [www.drytek.com](http://www.drytek.com)

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