

DRYTEK®7400 is a superior quality, fast drying, dual purpose self-leveling cement. It can be used both as a durable and attractive interior wear surface and as a high performance underlayment for troubled substrates. For application over a wide variety of substrates including concrete, pvc, vct, and ceramic and quarry tile.

PERFORMANCE CHARACTERISTICS

- Pour depth of 1/16" - 1 1/4"
- Water damage stable
- Dual purpose; for use as an attractive interior wear surface or as a high performance underlayment
- Can be topically stained or integrally colored to match specific design needs
- For use as underlayment where fast turn around time and high strength is desired
- Fast Drying
- Can be applied directly over wet concrete (RH 95% or less per ASTM F2170) without risk for deterioration of adhesives and subsequent bond loss of glued down goods
- Inorganic; will not contribute to or harbor growth of mold or mildew
- Will not contribute to damaging emissions or irritating fumes upon settling or curing
- Available in grey or white

TECHNICAL INFORMATION

Pour Depths:	1/16"-1 1/4"
Coverage:	approx. 32 ft ² / 55 lb bag at 1/4" thickness
Tensile Bond Strength*:	> 435 PSI
Flexural Strength:	1160 PSI
Compressive Strength (28 days):	6400 PSI
Dry Density:	100 lb / ft ³
Installed Weight per ft ² @ 1/4" thickness:	2.08 lbs
Ideal Slump Range:	11-12 inch. for underlayment, 10-11 inch. for wear surface
Emissions (ammonia development):	≤ .7 mg/m ³
Shrinkage:	.03-.05%
pH (wet state):	11
Working Time:	15-20 minutes
Walkable Time:	1-2 hours. Finished floor goods can be applied as soon as 6 hours depending on thickness

*To concrete substrate

Acceptable Substrates/Performance Characteristics



PREPARATION OF SUBSTRATE

Substrate shall be free from dust, oil or any contaminants which may contribute to decreased bond. Weak surfaces must be mechanically cleaned to sound and solid substrates by shot-blasting, scarifying, or similar. Remove any loose particles such as adhesive residues and vacuum. Surface bond strength of substrate should be minimum 72 PSI (0.5 MPa). Surface should be primed with DRYTEK® PRIMER. Substrate temperature should be a minimum 43°F (+6°C) during application and air temperature maintained between 50-77°F (10-25°C). Adequate ventilation should be provided to ensure uniform drying. Moisture content of substrate should be RH 95% or less prior to application of DRYTEK® 7400. Contraction joints, construction joints, and cracks in the substrate which may be subject to movement after installation of DRYTEK® 7400 must be maintained as joints in the new surface. For use over wood substrate reinforcement (Diamond Lath, Standard steel concrete reinforcement lath or similar) must be used. Felt-backed floor coverings should be removed prior to application of DRYTEK.

MIXING

DRYTEK® 7400 should be mixed with 5.5 to 6 quarts of water per 55 lb bag when used as underlayment and 4.5 to 5.5 quarts when used as wear surface. 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® 7400 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 1/16" to 1 1/4" (2-30mm) for all surfaces except lightweight concrete, where a thickness of 1/4" – 3/8" (6-10mm) must be maintained. Perform slump test and adjust water accordingly until ideal patty size of 11-12 inches (for underlayment app.) or 10-11 inches (for wear surface app.) 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.

FLOORING INSTALLATION

Finished 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 floor leveling products, finished floor goods can be applied rapidly without risk of adhesive bond failure. As a general rule, permeable materials such as carpeting may be adhesively or mechanically applied to DRYTEK underlayments when RH level of substrate (i.e. concrete slab, etc) is 95% or below. RH levels should be determined according to ASTM standard F2170. 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 manufacturers recommendations regarding installation instructions, restrictions and compatibility.

LIMITATIONS

Not for installation over wood substrates unless REINFORCEMENT is used or prior written approval from an authorized DRYTEK representative is received. Apply only over ceramic or quarry tile which is applied to a concrete substrate and well-bonded. Indoor applications only. Not for applications exposed to continuous water of intrusion. Must allow for eventual drying of substrates.

PACKAGING

DRYTEK® 7400 is available in 55 lb vinyl-lined paper bags.

STORAGE

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

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