

## PREMIUM SELF-LEVELING WEAR SURFACE

### PRODUCT SUMMARY

**DRYTEK® 9400** is a premium quality self-leveling, fast drying, wear surface cement. **DRYTEK® 9400** may be integrally tinted, making it the designers choice for attractive finished floors. Superior abrasion resistance makes it perfect for multiple environments such as retail, warehouse and manufacturing facilities.

### PERFORMANCE CHARACTERISTICS

- Fast Drying
- Creates a permanent Alkali Barrier
- Water damage stable
- Will not develop shrinkage cracks
- Superior abuse and abrasion resistance
- Suitable surface for most finished floor goods
- Can be applied directly over wet concrete (RH 95% or less per ASTM F2170) without risk of deterioration of adhesives and subsequent bond loss of glued down goods

### TECHNICAL INFORMATION

Pour Depths	1/8" - 1/2"
Coverage at 1/4" thickness per 55lb bag	30 ft <sup>2</sup>
Tensile Bond Strength <sup>A</sup>	> 435 PSI
Flexural Strength <sup>B</sup>	1450 PSI
Compressive Strength <sup>C</sup>	5800 PSI
Dry Density	100 lb / ft <sup>3</sup>
Installed Weight per ft <sup>2</sup> @ 1/4" thickness	2.08 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 Coatings	18 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	20.5% pre-consumer recycled material
	Local/Regional Materials	MR 5.1	Dover, NH
		MR 5.2	Job site manufactured with local water

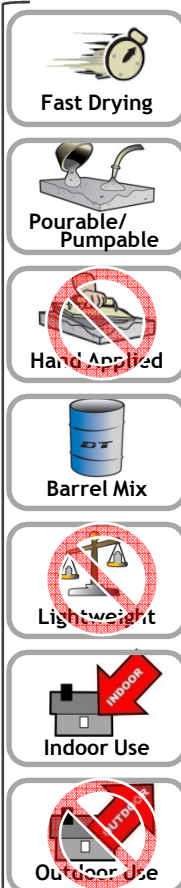
SUITABLE FOR INSTALLATION OVER THESE SUBSTRATES



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) install **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® 104<sup>S</sup> EPOXY PRIMER**.

#### MIXING

**DRYTEK® 9400** should be mixed with 5.5 to 6 quarts of water per 55 lb 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. **DRYTEK® 9400** 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 1/2" (3-13 mm) for all surfaces. Perform slump test and adjust water accordingly until ideal patty size of 11-12 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.

#### TRAFFICABILITY

Allow 1-2 hours for foot traffic, 24 hours for light traffic and can bear full load (i.e. fork truck etc) after 7 days.

#### SURFACE FINISHES

**DRYTEK® 9400** does not require sealers or coatings for use as wear surface. Surface may be sealed with **DRYTEK® 608 SEALER** or **DRYTEK® 606 SEALER**. When grinding or polishing surface, for best results use **DRYTEK® 202 DENSIFIER** and **204 CONDITIONER**. Please contact your DRYTEK representative for specific advice.

#### 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® 9400** 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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