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TD.439 – TECHNICAL DATA: BACE-LINE™ 2.5P

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Description: BACE-LINE™ 2.5P self-leveling underlayment is a premium self-drying, calcium aluminate cement based self-leveling underlayment with superior placement characteristics and low surface prep capability. BACE-LINE™ 2.5P is suitable for leveling and smoothing of floors for tile, stone, resilient, wood, carpet and other floor coverings. BACE-LINE™ 2.5P offers a variable water ratio to aid in application and design flexibility. BACE-LINE™ 2.5P has extended working time which allows it to seek it's own level while being suitable for breathable floor finishes as quickly as 4 hours after placement.* BACE-LINE™ 2.5P provides compressive strengths exceeding 5500 psi (28 days).

Key Features:

- Fast Track, suitable for floor covering as early as 4 hours* after placement.
- Featuring Low-Surface Prep, "Clean, Prime, Pour."
- High Compressive Strength suitable for demanding service applications.
- Superior flow and placement characteristics yield flat, smooth surfaces.
- Suitable for finished flooring such as vinyl, LVT, carpet, engineered wood, ceramic tile, coatings & more.
- Can be left exposed to light trade traffic during build out.

Physical Properties:

		5.5 Qts Water	*5.75 Qts Water*
Compressive Strength	24 hrs	>2000 psi	>1800 psi
	3 day	>2800 psi	>2500 psi
	28 days	>5500 psi	>5000 psi
Temperature for application	50° – 90°F (10-32°C)		
Density	~ 125 lbs per ft³		
Flammability	Flame Spread 0, Fuel Contribution 0, Smoke Development 0		
VOC (Rule 1168 SCAQMD)	0 g/l		
Yield/Coverage	.46 ft³	Appx. 23 ft² at 1/4" (6mm)	
Mixing Ratio	5.5 – 5.75 US quarts water per bag		
Application Depth	1/4" - 1-1/2"		
Pot Life at 70°F	20 min		
Final Set at 70°F	120 min		
Shelf Life	12 Months when stored in dry conditions original, unopened package at 60° - 80°F.		

Application:

FOR PROFESSIONAL USE ONLY

Substrate Condition:
All Substrates must be sound, clean, dry and free of contaminants (oil, dirt, laitance, residue of curing compounds etc.) that may interfere with adhesion. Do not use solvents, acids or chemical adhesive removers to prepare the substrate. Avoid use of sweeping compounds on target substrate.

Moisture:
BACE-LINE™ 2.5P will not substantially inhibit transmission of moisture to the finished flooring. When used in interior applications subject to floor coverings, follow the directions of the flooring and adhesive manufacturer to determine the maximum allowable moisture content (RH) or transmission of the substrate. If the moisture content (ASTM F-2170) or moisture vapor transmission rate (ASTM F-1869) of the substrate exceeds the requirements of the flooring system, utilize a suitable

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moisture vapor remediation coating that conforms to ASTM F3010. Follow instructions for placement of the BACE-LINE™ 2.5P after the Moisture Mitigation has cured and per associated directions.

Adhesives Residue:
Remove water based or pressure sensitive adhesives completely, while scraping other adhesives to a transparent adhesive residue.

Mechanical Preparation:
Some installations may benefit from additional mechanical surface preparation to realize an International Concrete Repair institute (ICRI) CSP 2-3 or greater. Completely vacuum all dust and debris from the substrate prior to material application.

Substrate Joints:
Honor all moving joints. Complete crack and substrate repairs prior to installation. Where required, consult an engineer for required joints and crack repairs prior to installation.

Temperatures and Mockup:
Maintain a minimum of 50°F for 72 hours prior, during the application and for 72 hours after installation. Acclimate the material to a minimum of 50°F prior to mixing. If uncertain of suitability or bond, test an inconspicuous area for compatibility and adequate bond prior to proceeding.

Substrate Specific Preparation

Concrete
In addition to general surface preparation guidelines above, concrete must be minimum 28 days old, free of efflorescence and hydrostatic pressure. Concrete surfaces must have a tensile strength 175 psi or greater.

Plywood Surfaces
Plywood must be exterior rated, structurally sound and meet all industry guidelines. Subfloors shall be structurally compliant to building codes, sound, clean, dry, and free from contaminants that would prevent adhesion. Any loose or deflecting areas in plywood must be addressed prior to BACE-LINE™ 2.5P installation. Floors may be prepared by sanding. Do not use sweeping compounds, chemicals or solvents to clean the floor.

Application Procedure:

- Start with clean, appropiately sized mixing container and potable water.
- Place designated mixing water (5.5 – 5.75 US Qts per 50 lb bag) in mixing container.
- DO NOT OVERWATER. Overwatering will compromise material strength and stability.
- Add BACE-LINE™ 2.5P to the designated water and mix for 2.5 - 3 minutes with a power drill/mechanical mixer >650 RPM. Material must be homogenous and lump-free prior to placement.
- BACE-LINE™ 2.5P may be extended 25% with ¼” washed, SSD pea gravel.

Once material is mixed, immediately pour onto floor and spread to depth with a gauge rake or other. Once at desired depth, use a smoother or magic trowel to lightly break surface tension to apply finishing touches to the placement.

Always pour additional materials into existing materials on the substrate along the wet edge of the placement – “keep a wet edge.”

Where depths greater than 1.5” are required, utilize a two coat system.

Dry Time Prior to Flooring Installation

BACE-LINE™ 2.5P is self-drying. Avoid direct sunlight and air movement across the surface of the BACE-LINE™ 2.5P during the curing process. When placed at depths to 3/8” (8mm) BACE-LINE™ 2.5P is typically ready to receive breathable floor finishes as early as 4 hours after placement, and non-breathable finishes after 16-24 hours of dry time.

Cooler temperatures and humid environments may slow drying.