

Platform FTTM

Fast Track Self Leveling Underlayment

PACKAGING

50 lbs (22.68 kg)

SUITABLE SUBSTRATES

(well bonded, clean, dry, sound and stable)

- Absorbent and non-absorbent interior concrete
- Properly prepared Gypsum-based underlayment (Minimum 3000 psi)
- Exterior grade plywood
- ASTM F3010 Epoxy Moisture Membranes
- Platform ELW

Platform Fast Track (FT) self-leveling underlayment (SLU) is a premium self-drying, calcium aluminate cement based self-leveling underlayment with superior placement characteristics and low surface prep capability. Platform FT is suitable for leveling and smoothing of floors for tile, stone, resilient, wood, carpet and other floor coverings. Platform FT offers a variable water ratio to aid in application and design flexibility. Platform FT 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.* Platform FT provides compressive strengths exceeding 5500 psi (28 days).

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.
- › RH tolerant up to 100%, allows free passage of moisture vapor.

Properties

		*5.5 Qts Water	*5.75 Qts Water
Compressive Strength	24 hrs	>2000 psi	>1800 psi
ASTM C109M (Modified – Air Cure)	3 days	>2800 psi	>2500 psi
(tested @ 73°F)	28 days	>5500 psi	>5000 psi
Temperature for application	50° – 90°F (10-32°C)		
Density	~ 125 lbs per ft ³		
Flammability	Flame Spread 0, Fuel Contribution 0, Smoke Development 0		
VOC (Rule 1168 SCAQMD) 	0 g/l		
Coverage*	50 lbs - Approx. 25 sq ft @ 1/4"		
SKU	PPFT50		
Mixing Ratio	5.5 – 5.75 US quarts water per bag		
Application Depth	NEAT: 1/4" - 1-1/2"		
Pot Life at 70°F	20 min		
Final Set at 70°F	120 min		
Shelf Life	12 Months when unopened & stored per instructions original, unopened package at 60° - 80°F.		

*Coverage shown is for estimating purposes only. Actual jobsite coverage may vary according to substrate conditions, type of equipment, thickness applied and application methods used.

LEED Credit

AREA	CREDIT	CATEGORY	HOW
Indoor Environmental Quality	EQ	Low Emitting Materials	VOC content 0g/l
Materials & Resources	MR	Sourcing of Raw Materials	
Regional Manufactured Material	MR	Regional Materials	Rocky River, OH

General Guidelines

- This product is designed for application and use in dry, properly prepared interior environments only. Address sources of water exposure prior to installation and avoid installation in environments where ongoing moisture exposure is likely.
- For application when substrate and ambient conditions are between 50 -90°F (10-32°C), for 72 hours prior, during the application and for 72 hours after installation.
- Protect curing Platform FT from direct sunlight and air movement across the surface of the placement.
- Platform FT does not require the addition of chemical additives. Add potable water only.
- Platform FT is tolerant up to 100% RH and will allow the free passage of moisture vapor.
- Platform FT can be used to self-level or flatten concrete prior to application of Platform EMS or other resinous coating systems.
- Not suitable for use over Luan, plastic, fiberglass, metal, particle board, sheet vinyl, presswood, or woods not APA (exterior) rated subject to movement or swelling.
- Installation must conform to applicable local, state and federal building codes.

Application Procedures

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 Platform EMS. Platform FT will not inhibit transmission of moisture to the finished flooring.

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.

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

Mechanical Preparation: Some installations (service use, site conditions) 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.

Surface Priming: All substrates shall be primed with Platform P360 per manufacturer directions (see associated Product Data Sheet - Diluted over absorbent substrates applied by fine tipped broom; NEAT over non-absorbent substrates applied by paint roller).

Leakers: Carefully ensure all penetrations exposed to Platform FT during installation are fully sealed. Use a sealant or cementitious patch like Platform Feather to seal open voids and penetrations around conduits etc.. Platform FT is very fluid, and will find unsealed voids.

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 Platform FT installation. Floors may be prepared by sanding. Do not use sweeping compounds, chemicals or solvents to clean the floor.

Wood surfaces require mechanically fastened galvanized metal lath to address loading and thermal movement.

Flash patch joints to avoid leaks with Platform Feather or similar polymer modified patch. Wait until patch is completely dry and prime prior to installation of the galvanized metal lath. Place and securely fasten metal lath with fasteners that have a galvanized or corrosion-resistant coating over primed surfaces prior to application of the Platform FT. Pour the FT onto the primed, lath reinforced surface and smooth to finish.

Lightweight Concrete/Gypsum Surfaces

Gypsum-based underlayments must be solid and structurally sound, achieving a compressive strength > 3000 psi. Remove and or repair unacceptable surfaces prior to installation. Prior to installing Platform FT over Gypsum underlayment, it must be dry and cured to the manufacturer's specifications to accept non-moisture permeable coverings. Substrate deflection not to exceed the current industry standards. All Lightweight and Gypsum surfaces are required to be sealed and/or primed with Platform P360. If the gypsum surface is damaged or exhibits severe dusting, use Platform SLV to seal the gypsum following the latest technical data sheet's instructions. Gypsum and lightweight substrates are generally very absorbent and may require heavy dilution of Acrylic primers for suitable penetration (eg. 10:1, W:P).

Adhesive Residue: Wet scrape adhesive (non water soluble, non-PSA) to the finished surface of the concrete, leaving only the transparent residue. Adhesives may contain asbestos fibers. Do not sand or grind adhesive residue, as harmful dust may result. Never use adhesive removers or solvents, as they soften the adhesive and may cause it to penetrate into the concrete. To determine desirable results, do a test bond area before starting.

Clean-Up and Disposal

Wash hands and tools with water before the material hardens, or within 10 minutes of material contact to ensure easiest removal. Cured material must be removed mechanically. Dispose waste or excess material in accordance with all local, state and federal regulations. Hardened material is generally considered construction waste.

References

ASTM F3010: Standard Practice for Two-Component Resin Based Membrane-Forming Moisture Mitigation Systems for Use Under Resilient Floor Coverings

ASTM F1869: Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride

ASTM F2170: Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes

ASTM F710: Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring

ASTM C109M: "Standard Test Method for Compressive Strength of Hydraulic Cement Mortars - Modified."

Application Procedures

- Start with clean, appropriately 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 Platform FT 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.
- Platform FT 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 lift system.

Contact Technical services for details.

Dry Time Prior to Flooring Installation

Platform FT is self-drying. Avoid direct sunlight and air movement across the surface of the Platform FT during the curing process. When placed at depths to 3/8" (8mm) Platform FT 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.

Published technical data & instructions are subject to change without notice. Please contact Platform Performance Flooring Systems for the most current technical data, safety data & application instructions.

Technical Assistance:

Visit our website: platformperformance.com or call

1-800-227-3434

LIMITED WARRANTY

Platform Performance Flooring Systems warrants to the initial purchaser only that the goods sold hereunder will be free from defects in material and workmanship and, except as otherwise set forth herein, will conform to the specifications provided. If any failure to meet this warranty appears within one year from the date of shipment of the goods, on the condition that Platform Performance Flooring Systems will correct any such failure by either replacing or

repairing any defective goods, at Platform Performance Flooring Systems' option. The preceding paragraph sets forth the exclusive remedy for all claims based on failure of or defect in the goods sold hereunder, whether such failure or defect arises before or during the warranty period and whether a claim, however instituted, is based on contract, indemnity, warranty, tort (including negligence), strict liability or otherwise. The forgoing warranty is exclusive and is in lieu of all other warranties whether written, oral, implied or statutory.

