PrepPro FT

Fast Track Self Leveling Underlayment

Division 3

03 01 00 Maintenance of Concrete
03 54 16 Hydraulic Cement Underlayment

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
- PrepPro ELW

LEED

Indoor Environmental Quality (EQ)
EQ Low Emitting Materials
VOC content 0 g/l

Materials and Resources (MR)
Sourcing of Raw Materials
Regional Manufactured:
Rocky River, OH

PrepPro 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. PrepPro FT is suitable for leveling and smoothing of floors for tile, stone, resilient, wood, carpet and other floor coverings. PrepPro FT offers a variable water ratio to aid in application and design flexibility. PrepPro 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.* PrepPro 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.

**See Application Section*

Properties

		*5.5 Qts Water	*5.75 Qts Water
Compressive Strength	24 hrs	>2000 psi	>1800 psi
(ASTM C109 modified)	3 days	>2800 psi	>2500 psi
(tested @ 73ºF)	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)
SKU	PPFT50	
Mixing Ratio	5.5 – 5.75 US quarts water per bag	
Application Depth	NEAT: 1/4" - 1-1/2"	
Packaging	50 lbs (22.68 kg)	
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.	

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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 PrepPro FT from direct sunlight and air movement across the surface of the placement.
- PrepPro FT does not require the addition of chemical additives. Add potable water only.
- PrepPro FT will not restrict movement of moisture (RH) from the substrate to the flooring.
- 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.

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.

Technical Support

Contact 1-800-227-3434

Precautions

Read and follow all precautions and warnings indicated on the product label and on the product Safety Data Sheet (SDS) available at floorprep.com

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Application Procedures

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: PrepPro FT 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 moisture vapor remediation coating that conforms to ASTM F3010. Follow instructions for placement of the PrepPro FT after the Moisture Mitigation has cured and per associated directions.

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 Primer A/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 PrepPro FT during installation are fully sealed. Use a sealant or cementitious patch like PrepPro Feather to seal open voids and penetrations around conduits etc.. PrepPro 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 PrepPro 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 PrepPro 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 PrepPro FT. Pour the FT onto the primed, lath reinforced surface and smooth to finish.

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."

Limited Warranty

PrepPro FT is warranted by Dependable, LLC 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 Dependable, LLC. will correct any such failure by either replacing or repairing any defective goods, at Dependable, LLC's 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.

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 PrepPro 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 PrepPro SLV to seal the gypsum following the latest technical data sheet's instructions. Gyspum 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.

Application Procedures

- 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 PrepPro 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.
- PrepPro 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

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

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