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DIVISION
Cast Underlayment
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Hydraulic Cement Underlayment
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DIVISION
Floor Finishes
 09 80 00

Platform FP™

Trowelable Flooring Underlayment & Patch

PACKAGING

- 10 lbs (4.54 kg) Resealable plastic pouch

SUITABLE SUBSTRATES

(well bonded, clean, dry, sound and stable interior substrates including;)

- Concrete
- Masonry
- Wood
- Ceramic tile
- Terrazzo
- Properly prepared residue of cutback and non water soluble adhesive
- Epoxy moisture vapor membranes (free from amine blush)

Platform FP™ is a latex modified, fine textured, trowel applied, rapid drying cementitious underlayment for interior use. Platform FP provides a smooth, durable surface for the installation of a variety of floor finishes such as vinyl, carpet, engineered wood or tile. Platform FP requires only the addition of water and mixes to a creamy consistency that is troweled with minimal effort to smooth imperfections in a variety of substrates prior to application of floor finishes. Platform FP dries rapidly, permitting the installation of floor coverings in as little as 30 minutes.

Features

- › Reduced application effort
- › Suitable for substrate repairs prior to application of vinyl, carpet, engineered wood or tile
- › Floor covering can be installed in 30-60 minutes
- › RH tolerant up to 100%, allows free passage of moisture
- › Bonds to many substrates without primer or need of additive
- › Sands easily leaving smooth blemish free surface for flooring
- › Supports points on LEED® Certified projects
- › Excellent Coverage of up to 300 sq ft of skimcoat & 33 sq ft at 1/8" per 10 lb bag
- › Easy water ratio 2:1 (powder:water)
- › Apply from Featheredge to 1/2" (12mm)

Properties (tested @ 73°F)

Placement time	15 minutes
Final set	30-45 minutes
Compressive Strength	>4000 psi at 28 days
Application Depth	Suitable from feather to 1/2" (12mm) in depth
Temperature for Application (material and ambient)	50°F to 90°F (10-32°C)
Coverage (10 lbs)	Up to 300 sq ft per bag at feather Approx. 16.5 sq ft @ 1/4" Approx. 33 sq ft @ 1/8"
Water ratio	10 lb bag - 2.5 Qts Water By portion - From 2 parts powder to 1 part water
Color	Gray brown
Flammability	Flame Spread 0, Smoke Development 0, Fuel Contribution 0
SKU	DPPF4x10
Shelf life	12 months when unopened and stored per instructions

LEED Credit Platform FP may contribute to LEED certification of projects as follows:

AREA	CREDIT	CATEGORY	HOW
Indoor Environmental Quality	EQ 4.2	Low Emitting Materials	VOC content 0g/l
Materials & Resources	MR 5.1	Regional Manufactured Materials	Cleveland, OH
Materials & Resources	MR 5.2	Regional Materials	>25%

General Guidelines

- For use in interior applications only.
- For application when substrate and ambient conditions are between 50 -90°F (10-32°C), for 72 hours prior to the installation and maintained within that range for 72 hours after installation.
- Platform FP is RH tolerant up to 100% and will allow the free passage of moisture vapor.
- Platform FP can be used to patch concrete prior to application of Platform EMS or other resinous coating systems.
- Moisture limits (RH or Moisture Vapor Emissions Rate (MVER)) are determined by the finished flooring and associated adhesive). When moisture emissions exceed the level permitted for the installation of the finished flooring utilize Platform EMS, Platform P360 and then apply Platform FP, or a Platform SLU.
- Concrete surface temperatures must be at least 5°F (3°C) above the dew point prior to application
- Not suitable for use over Luan, plastic, fiberglass, metal, particle board, sheet vinyl, or presswood, OSB, woods not APA (exterior) rated subject to movement or swelling.
- Avoid installation over gypsum substrates without first priming them with Platform P360.
- Installation must conform to applicable local, state and federal building codes.
- Not for use over gypsum subfloors. Refer to Platform's line of patch and repair materials for Gypsum at www.platformperformance.com or consult technical services if patching over gypsum is required.

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 FP can be used to patch concrete prior to application of Platform EMS. Platform FP will not inhibit transmission of moisture to the finished flooring.

All Substrates must be sound, clean, dry and free of contaminants (oil, dirt, laitance etc.) that may interfere with adhesion. Do not use solvents, acids, chemical adhesive removers to prepare the substrate. All bond breaking substances (cure residues, excess salts from silicates etc.) must be removed prior to priming. Completely vacuum all dust and debris from the substrate prior to material application.

Honor all moving joints. Complete crack and substrate repairs prior to installation. Moving cracks or joints filled with Platform FP may reflect through finished floor. Consult an engineer for required joints and crack repairs prior to installation.

Maintain a minimum of 50°F 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 Preparation

Concrete Floors

All concrete must be sound, stable, clean and free of any bond breaking materials (silicates, curing compounds, laitance, dirt). Mechanically remove weak surfaces, and any contaminants to sound concrete. Priming is not required. Apply from feather edge to ½" in depth.

Adhesive Residue

Non-soluble adhesives must be scraped to a well bonded residue. Water soluble and pressure sensitive adhesives must be removed mechanically to the substrate. Verify type of adhesive prior to mechanical removal to ensure adhesive containing asbestos is not introduced into the environment. Follow all local, state and federal laws for removal and disposal of adhesive or flooring materials containing asbestos. Test to ensure any existing adhesive will not bleed through to new adhesive, or finished flooring. If substrate (concrete) under adhesive is weak or poorly bonded, remove such areas down to well bonded, sound, clean substrate.

Wood

Platform FP is suitable for skimcoating well bonded (screwed & glued) APA rated, exterior grade wood floors free of deflection. Wood floors are required to be a minimum of ¾", L/360 and comply to local building codes. No primer is required. Do not install over OSB, chipboard, Masonite, or surfaces non APA rated, and/or non-dimensionally stable materials subject to swelling or movement.

Quarry & Ceramic Tile

Ensure waxes or sealers are stripped from the surface of the tiles. Abrade to a dull finish. Remove dust by vacuum. Consider utilizing Platform P360 primer for additional bond.

Gypsum substrates

Not recommended for use over gypsum floors. Contact Platform for a superior feather finishing patch material compatible with gypsum substrates.

Vinyl Flooring

Platform FP is suitable as an embossing patch over vinyl flooring. Vinyl flooring must be well bonded, dry, clean and free of any bond breaking materials (wax, coatings, laitance, dirt, etc.) Priming is usually not required but consider using Platform P360 for additional bond.

Application Procedures

Mixing

Water: Up to 2.5 US Qts per 10 lb bag
Alternatively, mix by volume, 2 Parts Powder to 1 Part Water.

Mix Method: ALWAYS utilize a drill and mix until material is thoroughly homogenous and lump free. Overwatering and/or under mixing will result in difficult placement and lower ultimate compressive strengths.

Add designated clean, potable water to a clean mixing vessel, add the powder and mix mechanically until homogenous and lump free. Mix no more material than can be placed within 10 minutes. Do not remix with additional water.

Material Application

Utilize a clean trowel to place the material across on the surface of the substrate. No minimum thickness is required. For deeper areas, allow initial coat to reach partial set prior to building layers. Once dry, material may be sanded to remove placement imperfections prior to installation of floorcovering.

Dry Time Prior to Flooring Installation

Platform FP is self drying, do not wet cure or use curing or sealing compounds. Depth of placement and ambient conditions (temperature and humidity) will impact the dry time of the material. Material is typically dry in 30-45 minutes and ready for light sanding prior to application of flooring, or direct application of flooring.

Storage

Store in cool and dry conditions, out of direct sunlight with pallets wrapped in original shrink wrap.

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 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 F-710 Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring

ASTM C1708 Standard Test Methods for Self-leveling Mortars Containing Hydraulic Cements

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.

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

