

1. PRODUCT NAME

TEC® Floor Patch Pro
(059)

2. MANUFACTURER

H.B. Fuller Construction Products Inc.
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3. DESCRIPTION

TEC® Floor Patch Pro is a fast setting, easy-to-mix, calcium-aluminate cement-based patch and skim coating compound for use under ceramic tile, hardwood flooring, resilient flooring, VCT and carpet, from a featheredge to 2" (5 cm) in thickness.

Key Features and Benefits

- Can be applied to concrete with a relative humidity (RH) up to 90%
- Can accept tile and stone applications as well as moisture sensitive floor coverings in as little as 30 minutes or when completely dry
- Featheredge to 2" (5 cm) in thickness
- Initial set in 15 minutes
- Low dust when sanded
- Superior workability for easy application
- Can be used as an embossing leveler
- Compatible with sealed gypsum based flooring
- Polymer-modified
- Contributes to LEED® project points
- VOC 0

Packaging

25 lb. moisture-resistant bags (11.34 kg) Product #7160460013

Coverage

Coverages shown are approximate. Actual coverages may vary according to substrate conditions and thickness of applications.

Application Depth	Approximate Coverage per 25 lbs. (11.34 kg)
1/32" (0.8 mm)	156 sq.ft. (14.5 m ²)
1/16" (1.6 mm)	78 sq.ft. (7.25 m ²)
1/8" (3 mm)	39 sq.ft. (3.6 m ²)

Suitable Substrates

When properly prepared, suitable substrates include:

- Burnished Concrete**
- Cement / epoxy terrazzo**
- Concrete
- Exterior grade plywood
- Gypsum substrates (minimum tensile bond strength 7200 PSI)**
- Properly prepared cutback adhesive*
- Properly prepared residual carpet adhesive*
- Cement backerboard (CBU)
- Ceramic tile*
- Epoxy coatings**
- Fully adhered resilient flooring*

*Requires mixing with TEC® Patch Additive or, in lieu of the additive, prime substrate with TEC® Multipurpose Primer.

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Substrate Preparation

All surfaces must be structurally sound, dry and free from oil, grease, dust, loose or peeling paint, sealers, floor finishes, curing compounds or any contaminant that would prevent a good bond. Concrete and cementitious substrates must be fully cured and free of any hydrostatic pressure or excessive moisture. New slabs should be steel troweled with a fine broom finish and fully cured. Floors must be structurally sound, level, free from movement and dimensionally stable. All surface protrusions must be removed by sanding, scraping or chipping. Remove all dust by vacuuming. For surfaces that require priming, use TEC® Multipurpose Primer, per label instructions. Not recommended for use over expansion or control joints.

Notes: Vinyl asbestos tile or any substrate containing asbestos must not be sanded, scored or scarified because of the potential health hazard of breathing dust. Any substrate containing asbestos must be handled in accordance with existing EPA regulations. Contact your local EPA office.

Storage

Store in a cool, dry area away from moisture and direct sunlight. Do not store open containers.

Shelf Life

Maximum shelf life is 1 year from date of manufacture in unopened package.

Limitations

- Do not install if the substrate moisture vapor content exceeds 90% when tested using ASTM F2170 RH probes or the surface moisture vapor transmission exceeds 10 lbs. / 1000 ft² / 24 hrs. (4.54 kg / 93 m² / 24 hrs.) when tested per ASTM F1869 Moisture Vapor Transmission (Calcium Chloride) procedure.
- Do not install if the substrate moisture vapor content (RH) or surface moisture vapor transmission rate (Calcium Chloride) exceeds flooring manufacturer's recommendations.
- Do not exceed 1/16" (1.6 mm) when used as an embossing leveler over sheetgoods.
- Do not use as a wearing surface.
- Do not overwater.
- Do not use over control or expansion joints.
- Do not use as an embossing leveler over cushioned back sheetgoods or perimeter bonded sheetgoods.
- Do not use over metal, OSB or pressed wood.
- Do not use over light weight concrete.
- Do not apply over unsealed gypsum.

Cautions

Read complete cautionary information printed on product container prior to use. For medical emergency information, call 1-888-853-1758.

This Product Data Sheet has been prepared in good faith on the basis of information available at the time of publication. It is intended to provide users with information about and guidelines for the proper use and application of the covered TEC® brand product(s) under normal environmental and working conditions. Because each project is different, H.B. Fuller Construction Products Inc. cannot be responsible for the consequences of variations in such conditions, or for unforeseen conditions.

4. TECHNICAL DATA

TEC® Floor Patch Pro (059)		
Description	Test Standard	Typical Results
Final Set @ 70°F (21°C)	ASTM C191	Approx. 30 minutes
Compressive Strength (Air Cured) 24 hours 28 days	ASTM C109	> 1,800 (14.5 MPa) > 4,000 (24.1 MPa)

Greater than: > Greater than or equal to: ≥ Less than: < Less than or equal to: ≤

Physical Properties

Description	
Physical State	Dry powder
Color	Gray
Working Time @ 70°F (21°C)	8-15 minutes
Storage	Store in cool, dry location away from moisture and direct sunlight. Do not store open containers.
Shelf Life	Maximum shelf life is 1 year from date of manufacture in properly stored, unopened package.

Note: Test results obtained under controlled laboratory conditions at 70°F (21°C) and 50% relative humidity. Tested using 3.75 qts. (3.5 L) per 25 lbs. (11.34 kg) bag. Reasonable variations can occur due to atmospheric and jobsite conditions.

5. INSTALLATION INSTRUCTIONS

Mixing

Dry-blend TEC® Floor Patch Pro powder prior to mixing. Slowly add the entire bag of TEC® Floor Patch Pro to appropriate volume of clean, cool water, mixing 2.75-3.75 quarts per 25 lbs. (11.34 kg) bag.

Add powder to liquid for ease of mixing. Avoid breathing dust and contact with eyes and skin. Mix thoroughly to a smooth, lump-free consistency. When going over cutback adhesive, ceramic tile or as an embossing leveler, substitute all of the water with TEC® Patch Additive. Retemper, as pot life nears set time, without additional water. **Mix only the quantity of material that can be placed in 10 to 12 minutes** (this can be done by mixing 3 cups (.071 L) of powder to approximately 1 cup (0.24 L) of water).

Note: Elevated temperatures will shorten the working time. Lower temperatures will delay set times.

Application

Apply when air and substrate temperatures are between 40°F (4°C) and 100°F (38°C) within 24 hours of application. Surfaces must remain frost free and above 40°F (4°C) for 72 hours. For applications outside this range of temperatures, contact TEC® Technical Services.

Apply TEC® Floor Patch Pro with a steel trowel using enough pressure to fill all defects and feather the subfloor to the desired finish. Flooring can be applied in as little as 30 minutes or as soon as completely dried.

For a smoother finish, TEC® Floor Patch Pro can be sanded once cured. For applications to areas greater than 4 ft² (1 m²) where the uniform thickness is > ½" (> 12 mm), use a TEC® self leveling underlayment.

For use as an embossing leveler: All material to be embossed must be clean, free of bond breakers, firmly bonded to the substrate and demonstrate no signs of moisture. It is not recommended over cushion backed flooring. Mix to a lump free, creamy consistency with 100% TEC® Patch Additive, to mix, and apply material to fill the pattern.

Allow to dry for 70-90 minutes before covering with new flooring. The mixed embossing leveler product produces a very dense surface. This needs to be considered in making an adhesive selection.

For a flooring installation: TEC® Floor Patch Pro will accept standard floor coverings such as VCT, vinyl sheetgoods, tile and carpeting in approximately 15-30 minutes after placement.

When using moisture sensitive adhesives such as urethanes and epoxies, employed with wood floors etc., TEC® Floor Patch Pro may necessitate 16 hours of curing. TEC® Floor Patch Pro is a cement-based product therefore all adhesives compatible with concrete should be acceptable. Consult adhesive manufacturer. Always install a test area, insuring suitability of TEC® Floor Patch Pro for intended use.

Curing

TEC® Floor Patch Pro is self curing, however protect from excess heat and rapid air movement.

Clean-up

While material is still fresh, clean tools, hands and equipment with warm soapy water.

6. AVAILABILITY

TEC® Premium Tile and Stone Installation Products are available nationwide.

To locate TEC® products in your area, please contact:

Phone: 800-832-9002

Website: tecspecialty.com

7. WARRANTY

For warranty details, see your sales associate or visit tecspecialty.com.

8. MAINTENANCE

Not applicable

9. TECHNICAL SERVICES

Technical assistance

Information is available by calling the Technical Support Hotline.

Toll Free: 800-832-9023

Fax: 630-952-1235

Technical and safety literature

To acquire technical and safety literature, please visit our website at tecspecialty.com.

10. FILING SYSTEM

Divisions 3 and 9



tecspecialty.com