



Fast-Set Deep Patch

1. PRODUCT NAME

TEC® Fast-Set Deep Patch
(305)

2. MANUFACTURER

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3. DESCRIPTION

TEC® Fast-Set Deep Patch is a cement-based underlayment designed specifically for deep fills, ramping, and leveling concrete and plywood subfloors (dry areas only) from featheredge up to 1½" (38 mm) in a single application, up to 5" (12 cm) with proper aggregate. Can be applied with steel trowel, float and/or screed to produce a smooth, level surface. TEC® Fast-Set Deep Patch cures to a walkable surface in approximately 60 minutes.

Key Features and Benefits

- Calcium aluminate technology for rapid strength development
- Interior/exterior use (use TEC® Patch Additive for exterior use)
- Featheredge to 1½" (38 mm) in a single application, up to 5" (12 cm) with proper aggregate
- Fast-set — allows for quick installation
- High bond and compressive strengths
- Provides smooth surface ready to accept flooring
- Self-drying formula
- Contributes to LEED® project points
- VOC 0

Packaging

25 lb. plastic bags (11.34 kg)

25 lb. moisture-resistant bags (11.34 kg)

Product #15035754

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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)
1/8" (3 mm)	30-32 sq.ft. (2.8-3.0 m ²)
1/4" (6 mm)	15-16 sq.ft. (1.4-1.5 m ²)
1/2" (12 mm)	7-8 sq.ft. (0.65-0.74 m ²)
1" (25 mm)	3½-4 sq. ft. (0.33-0.37 m ²)

Suitable Substrates

When properly prepared, suitable substrates include:

- Concrete
- Cementitious Backer Units (CBU or cement board, interior or exterior)
- Burnished concrete*
- Epoxy terrazzo*
- Cement terrazzo

- Epoxy coatings*
- Ceramic tile (including porcelain and quarry tile)*
- Exterior grade plywood, APA grade trademarked exterior plywood, C-C (plugged) or better (no additive needed)
- Gypsum Substrates* - minimum tensile bond strength 72 psi (0.5 MPa)

*Requires priming with TEC® Multipurpose Primer

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. TEC® Fast-Set Deep Patch can be installed over green concrete with RH of 99% or less. This product is not a moisture vapor barrier. If substrate moisture content exceeds the maximum allowed by the flooring manufacturer, then moisture mitigation must be applied prior to application of Fast-Set Deep Patch. To reduce moisture vapor emissions to an acceptable level, use TEC® LiquiDam™ Penetrating Moisture Vapor Barrier or LiquiDam EZ™ Moisture Vapor Barrier (see product data sheets for details). 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. Do not store open containers.

Shelf Life

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

Plastic bag: 3 years

Moisture-resistant bag: 1 year

Limitations

- Do not apply when the temperature is at or expected to be below 50°F (10°C).
- Not for use in conditions of hydrostatic pressure or excessive moisture [when RH is greater than 99% or 15 lb. per 1000 ft² (0.07 kg/m²) per 24 hours].
- Not recommended for use as a wear surface.
- Not for use over sealed concrete, resilient flooring, strip wood flooring, tempered hardboard, particle board or lauan plywood.

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® Fast-Set Deep Patch (305)		
Description	Test Standard	Typical Results
28 Day Compressive Strength	ASTM C109	4200 psi (28.7 MPa)
28 Day Flexural Strength	ASTM C580	1100 psi (7.5 MPa)

Physical Properties

Description	
Physical State	Dry powder
Color	Gray
Working Time	15-20 minutes
Walkable Hardness	Approximately 60 minutes
Install Floor Covering*	1-1½ hours
Storage	Store in cool, dry location. Do not store open containers.
Shelf Life	Maximum shelf life is from date of manufacture in properly stored, unopened package. Plastic bag: 3 years Moisture-resistant bag: 1 year

*Flooring material installation is dependent on thickness, drying conditions and type of flooring.

5. INSTALLATION INSTRUCTIONS**Mixing**

Slowly add the entire bag of TEC® Fast-Set Deep Patch to 2-2½ quarts (1.9-2.4 L) of clean, cool water and mix with a high power drill (300 RPM). Avoid breathing dust and contact with eyes and skin. Mix thoroughly to a smooth, lump-free consistency. Smaller amounts may be hand mixed, 3½ parts TEC® Fast-Set Deep Patch to 1 part water.

Application

Immediately after mixing, apply TEC® Fast-Set Deep Patch onto the flooring substrate. Using a trowel or screed, work the material into the substrate and then finish with a steel trowel to a smooth level surface. Working time is approximately 15-20 minutes, depending on ambient temperature and relative humidity. High temperatures and low humidity will shorten working time. TEC® Fast-Set Deep Patch can be applied from a featheredge up to 1½" (38 mm) depth in a single application. Up to 5" (12 cm) thickness may be poured with the addition of aggregate [well-graded, washed, and dried at ⅛" or ¼" (3-6 mm)]. To ensure proper bond, all aggregate and substrate must be completely coated with the underlayment mixture. Do not use sand. For further information, please contact your TEC® representative.

Curing

TEC® Fast-Set Deep Patch achieves walkable hardness in approximately 60 minutes. Installation of most floor covering materials can be applied within 1 to 1½ hours. When hot, dry or windy weather conditions exist, TEC® Fast-Set Deep Patch should be protected to avoid rapid water loss during curing period. TEC® Fast-Set Deep Patch is cement-based, and all general rules of concrete work should be observed to achieve maximum results. Never use forced air to accelerate the drying of TEC® cement-based products. For best results, always test performance of finished floor systems prior to application.

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. LIMITED WARRANTY

The product(s) covered by this Product Data Sheet are sold subject to a Limited Warranty and related terms. **H.B. Fuller Construction Products disclaims the implied warranties of merchantability and fitness for a particular purpose and all incidental and consequential damages arising out of the sale, purchase or use of this product.** For Limited Warranty details visit tecspecialty.com. To obtain a hard copy of the Limited Warranty call H.B. Fuller Construction Products at 800-832-9023 or mail a written request to the address in Section 2 of this Product Data Sheet.

8. MAINTENANCE

Not applicable

9. TECHNICAL SERVICES**Technical and safety literature**

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

10. FILING SYSTEM

Division 9



Conforms with LEED v4 low emitting interiors.
Compliant with (CDPH) Standard Method v1.2 VOC Emissions.



To learn more, visit TECSpecialty.com



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