



Stair Tread Adhesive

1. PRODUCT NAME

TEC® Stair Tread Adhesive
(470)

2. MANUFACTURER

H.B. Fuller Construction Products Inc.
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Aurora, IL 60504-6451 U.S.A.
800.552.6225 Office
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3. DESCRIPTION

TEC Stair Tread Adhesive is a solvent-free, plasticizer resistant, latex rich adhesive formulated to provide an exceptional bond when installing rubber or vinyl stair tread, radial tile or rubber sheet flooring over porous and non-porous surfaces free of moisture. It is also designed to permanently install dimensionally stable vinyl backed resilient sheet goods, homogenous commercial grade PVC sheet flooring, PVC backed carpet, PVC backed carpet tiles, PVC sheet vinyl (vinyl backed), vinyl tile, vinyl plank, linoleum, and linoleum tile.

Stair Tread Adhesive is compliant with South Coast Air Quality Management District Rule 1168. It also qualifies for Floor Score Certification and Carpet & Rug Institute's Green Label Plus Program. This is a third party certification with the most stringent VOC regulations in the country. 100% of all raw materials used to manufacture this adhesive are extracted, processed and manufactured regionally.

Key Features and Benefits

- Good for rubber or vinyl stair tread, rubber tile or sheet flooring
- Good for PVC-backed carpet & tiles, solid vinyl sheet, linoleum and LVP & LVT
- Solvent Free
- Extended Open Time
- Non Hazardous - Non Flammable

Packaging

1 gallon plastic pail (3.78 L)	Product #10007847
4 gallon plastic pail (15.13 L)	Product #15030184

Coverage

Determine recommended trowel size based on flooring type. Coverage will vary with the absorption of substrate and trowel size. Figures below are presented only as guidelines.

Substrate/Flooring Type	Recommended Trowel Size	Approximate Coverage
Porous substrates	1/16" x 1/16" x 1/16" (1.6 x 1.6 x 1.6 mm) Square-notch trowel	125-175 ft ² /gal. (12-16 m ² /3.78 L)
Non-Porous substrates	1/16" x 1/16" x 1/16" (1.6 x 1.6 x 1.6 mm) V-notch trowel	125-175 ft ² /gal. (12-16 m ² /3.78 L)

Recommended Substrates

- Concrete
- Portland Based Underlayments
- Properly Prepared Gypsum
- APA Approved Plywood
- Terrazzo
- Fiber Cement Underlayment
- Radiant Heated Subfloors
- Properly Prepared VCT (Single Layer)
- Properly Prepared Sheet Vinyl (Single Layer, fully adhered)

Substrate Preparation

Follow all manufacturer's recommendations and industry standards regarding subfloor preparation. Moisture tests are required on all concrete subfloors regardless of grade level or if the concrete is freshly poured or is classified as an older slab. Moisture testing should be performed by ASTM F1869 Calcium Chloride Tests with Moisture Vapor Emission Rate (MVER) not to exceed five (5) pounds per twenty-four (24) hours per one thousand (1000) square feet, or ASTM F2170 In Situ Relative Humidity Test with readings not to exceed eighty (80) percent relative humidity on existing slabs. New Construction Projects or Green slabs can have a MVER of up to eight (8) pounds per twenty-four (24) hours per one thousand (1000) square feet or ninety (90) percent RH when tested in accordance with ASTM F-2170. The maximum pH levels should not exceed a reading of 9.

Storage

Store at a temperature of 40°-95°F (4°-35°C).

Shelf Life

Maximum of 1 year from date of manufacture in unopened container.

Limitations

- For interior installations only.
- Do not install when MVER is over 8 lbs. per 1,000 ft² per 24 hours, per ASTM F1869. Do not install when relative humidity is over 90%, per ASTM F2170.
- Do not install when ambient temperature is not between 60°F & 95°F (15°C & 35°C).
- Do not install when ambient relative humidity is above 65%.
- It is the sole responsibility of the installer to determine the suitability and compatibility of the adhesive for the user's intended use.

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

Physical Properties

TEC Stair Tread Adhesive (470)	
Description	
Base Polymer	Acrylic Polymer
Color	White
Solids	70-75%
VOC Content	<10 grams per liter
pH	8.25
Consistency	Thick Paste
Trowelability	Light, Easy
Shelf Life	One year in unopened container.
Storage	40°-95°F (4°-35°C)
Application Temperature	65°-95°F (18°-35°C)
Traffic Restrictions	Foot traffic after 12 hours and heavy traffic after 24 hours
Open Time	30-45 minutes depending on ambient conditions
Freeze/Thaw Stability	5 cycles at 20°F (-7°C)

5. INSTALLATION INSTRUCTIONS

Application

Refer to all manufacturer's recommendations and approvals prior to installation. For Indoor Use Only. For best results install at 70°F (+/- 5°) and 50% R.H. (+/- 5%).

1. All surfaces must be clean, dry, free of dust, grease, paints, oils, curing compounds, sealers, or any other foreign material which may interfere with proper adhesion. Cracks and uneven surfaces must be filled with a cementitious patching compound.

Radial Tile, Rubber and Vinyl Stair Treads

2. Porous surfaces require the use of a 1/16" x 1/16" x 1/16" (1.6 x 1.6 x 1.6 mm) square notch trowel for the installation of radial tile, rubber and vinyl stair treads with gauges of 0.115" (3 mm) or greater. For radial tile and treads with gauges of 0.114" (2.9 mm) or less a 1/16" x 1/16" x 1/16" (1.6 x 1.6 x 1.6 mm) V-notch trowel should be used. Once troweled the adhesive should be allowed to remain open for approximately 5-10 minutes before placement of the stair tread or flooring material. Once placed the installed product should be rolled as quickly as possible using a 100 pound (45 kg) 3-section roller. Stair treads and nosings should be rolled with a steel hand roller.
3. For non-porous applications a 1/16" x 1/16" x 1/16" (1.6 x 1.6 x 1.6 mm) V-notch trowel should be used. Once the adhesive reaches the dry touch state (light skin with no transfer to the fingertip) it is ready to accept flooring. Rolling with a 100 pound (45 kg) 3-section roller should take place immediately after the flooring material has been placed into the adhesive. The time from when the adhesive is allowed to dry to the touch to the time it must be covered is approximately 45 minutes. If the adhesive is allowed to remain uncovered after initial drying to the touch for periods longer than the recommended 45 minutes, a loss of adhesion may result. Care should be taken by the installer not to spread more adhesive than can be worked within the 45-minute period.

Rubber Sheet Flooring

4. When installing rubber sheet flooring over a porous surface, use a 1/16" x 1/16" x 1/16" (1.6 x 1.6 x 1.6 mm) square notch trowel. Trowel adhesive onto the substrate and allow it to remain open for 5-10 minutes. Position flooring into adhesive and roll the entire area in both directions with a 75-100 pound (34-45 kg) 3-section roller as quickly as possible once the flooring has been positioned.
5. For non-porous surfaces a 1/16" x 1/16" x 1/16" (1.6 x 1.6 x 1.6 mm) V-notch trowel is recommended. Once the adhesive reaches the dry touch state (light skin with no transfer to the fingertip) it is ready to accept flooring. Install flooring within 45 minutes and roll immediately with a 75-100 pound (34-45 kg) roller.

NOTE: For stair tread application [gauge 0.125" (3.2 mm) or heavier], a 1/8" x 1/8" x 1/16" (3.2 x 3.2 x 1.6 mm) V-notch trowel may be used on porous applications. As previously instructed, the adhesive should remain open for 5-10 minutes prior to placement of the tread. Once placed, roll tread with appropriate hand roller.

Caution: Do not allow adhesive to remain uncovered after the initial drying period as a loss of adhesion strength will occur. Do not spread more adhesive than can be worked within the 45 minute time frame.

Clean-up

Remove wet adhesive immediately with a damp cloth. Use Mineral Spirits to remove dried adhesive. **CAUTION: Mineral Spirits are flammable. Read and follow all precautions on container label.**

6. AVAILABILITY

TEC Premium 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



To learn more, visit TECspecialty.com



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