



Flexera® Premium Universal Adhesive

1. PRODUCT NAME

TEC® Flexera® Premium Universal Adhesive
(774)

2. MANUFACTURER

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

TEC Flexera Premium Universal Adhesive is a solvent-free adhesive formulated for the installation of dimensionally stable LVT & vinyl plank without attached backing, PVC and carpet tile, VCT, quartz tile, approved bio-based tile, fiberglass-backed sheet flooring and vinyl backed resilient sheet flooring. This high strength adhesive is designed for installations over porous and non-porous substrates. TEC Flexera Premium Universal Adhesive is CRI Green Label Plus Certified, and is SCAQMD 1168 compliant.

Key Features and Benefits

- High moisture – up to 99% RH on green concrete (and existing slabs when VCT Flooring is used)
- 6-8 hours of open time depending on porosity and environmental conditions
- Lay flooring in as little as 10 – 15 minutes (permanent applications)
- Versatile – can be used with multiple flooring types
- Can handle foot traffic in as little as 4 hours
- Low VOC

Packaging

1 gallon plastic pail (3.78 L)
4 gallon plastic pail (15.13 L)

Product #7216455011
Product #7216451311

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. <i>or</i> 14-20 yd ² /gal. (12-16 m ² /3.78 L)
Non-Porous substrates	1/16" x 1/32" x 1/32" (1.6 x 0.8 x 0.8 mm) U-notch trowel	175-250 ft ² /gal. <i>or</i> 19-28 yd ² /gal. (16-23 m ² /3.78 L)
Cushion-Backed or Fiber Glassed-Backed Sheet Vinyl / Smooth-Backed Vinyl or Carpet Tile	3/8" Nap roller	250-350 ft ² /gal. <i>or</i> 27-38 yd ² /gal. (23-32 m ² /3.78 L)

*If recommended spread rate is exceeded, a loss of bond may occur.

Recommended Applications

- Residential
- Light & Heavy Commercial
- Healthcare
- Institutions

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. All concrete slabs must have an intact vapor barrier beneath the slab per ASTM E1745.

Existing Concrete Slabs: LVT & vinyl plank without attached backing, PVC and carpet tile, quartz tile, approved bio-based tile, fiberglass-backed sheet flooring and vinyl backed resilient sheet flooring – Moisture testing should be performed by ASTM F1869 Calcium Chloride Tests with moisture levels not to exceed Ten (10) 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 Ninety (90) percent on existing slabs.

New Construction Projects or Green Concrete Slabs (and existing concrete slabs with VCT flooring) with an intact vapor barrier beneath the slab per ASTM E1745 can have a Moisture Vapor Emission Rate of up to Twelve (12) pounds per twenty-four (24) hours per one thousand (1000) square feet or Ninety-Nine 99% when tested in accordance with ASTM F2170. In addition the concrete must be free of hydrostatic pressure. All substrates should be prepared in accordance with ASTM F710. The maximum pH levels should not exceed a reading of 12. The substrate, adhesive and flooring must be acclimated in an enclosed building with the HVAC operational between 60-95°F (15-35°C), and between 30-65% relative humidity, for at least 72 hours before, during and after the installation.

Storage

Store at a moderate room temperature. Protect adhesive from freezing. Refer to the Technical Data section of this PDS, for more information.

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 12 lbs. per 1,000 Sq. Ft. per 24 hours, per ASTM F1869.
- Do not install when relative humidity is over 99%, per ASTM F2170.
- Although Flexera is a moisture tolerant adhesive, it does not form a moisture vapor barrier and will not protect flooring from moisture damage. Please refer to flooring manufacturer's guidelines.
- Do not install when ambient temperature is not between 60°F & 95°F (15°C & 35°C).
- The dimensional stability of some vinyl flooring products is very sensitive to fluctuations in ambient environment conditions. H.B. Fuller Construction Products Inc. is not responsible for installation issues caused by dimensional changes in flooring.
- 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 Flexera Premium Universal Adhesive (774)	
Description	
Base Polymer	Acrylic Polymer
Color	Light Straw
Solids	57-61%
VOC Content	<1 gram per liter
pH	8.7
Consistency	Paste
Description	
Trowelability	Light, Easy
Shelf Life	One year in unopened container.
Storage	40°-95°F (4°-35°C)
Application Temperature	60°-95°F (15°-35°C)
Traffic Restrictions	Foot Traffic after 12 hours and Heavy Traffic after 24 hours for Wet-Set. Foot Traffic after 4 hours and Heavy Traffic after 12 hours for Dry-Set.
Open Time	6-8 hours of open time depending on porosity and environmental conditions
Freeze/Thaw Stability	5 cycles at 20°F (-6°C)

Composition/Information on Ingredients

Dangerous components: No hazardous/reportable components.

First Aid Measures

After inhalation: Supply fresh air or oxygen; call for doctor. In case of unconsciousness place patient stably in side position for transportation.

After skin contact: Immediately wash with water and soap and rinse thoroughly.

After eye contact: Rinse opened eye for several minutes under running water.

After swallowing: Do not induce vomiting; immediately call for medical help.

**FOR MORE INFORMATION READ SAFETY DATA SHEET
KEEP OUT OF REACH OF CHILDREN**

5. INSTALLATION INSTRUCTIONS

Application

1. Refer to all manufacturer's recommendations and approvals prior to installation.
2. For Indoor Use Only.
3. Read Installation instructions and SDS thoroughly prior to installation.
4. For best results install at 70°F (+/- 5°) and 50% R.H. (+/-5%).
5. For proper trowel selection see trowel guide on this label.
6. Spread adhesive using the recommended trowel. When installing over a porous substrate the flooring can be laid into wet or tacky dry adhesive. For a wet lay installation spread the adhesive, wait approximately 10-15 minutes to allow the adhesive to flash off. Laying in wet will allow for movement of the flooring until adhesive has set and will result in a permanent installation. Flooring will not be able to be removed without significant damage to the flooring when using the wet-set method. When installing tile or vinyl plank it is recommended to let the adhesive become tacky dry to the touch before installing. Once the adhesive has become tacky dry, flooring should be installed within 6-8 hours. The dry time will depend on the temperature & humidity of the environment. Within 1 hour of placing the flooring into the adhesive you MUST roll the entire installation with a 100 lb. three-section roller to assure adhesive has made proper contact with flooring.

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



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



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