

1. PRODUCT NAME

TEC® Crack Isolation Sheet Membrane



2. MANUFACTURER

H.B. Fuller Construction Products Inc.
1105 South Frontenac Street
Aurora, IL 60504-6451 U.S.A.
800.552.6225 Office
800.952.2368 Fax
tecspecialty.com

3. DESCRIPTION

TEC® Crack Isolation Sheet Membrane is a peel and stick underlayment that is designed to be used under ceramic tile, natural stone or other hard surface flooring to reduce surface cracking and contribute to sound suppression. Interior floors and counter top use only.

After priming with TEC® Multipurpose Primer, TEC® Crack Isolation Sheet Membrane can be easily applied to any clean subfloor surface including concrete*, plywood, gypsum, OSB, and over most existing vinyl, tile or natural stone floors.

* Concrete with moisture vapor emission rates (MVER) up to 5lbs. per 1,000 sq. ft. per 24 hours (2,27 kg/93 m²/24 hours).

Key Features and Benefits

- Peel and stick for quick and easy install – start floor installation immediately after product is set in place
- Approximately 40 mil thick for a lower profile finish floor
- Protects ceramic tile, natural stone or other hard surface flooring from in-plane cracks and movement up to 3/8" (9 mm)
- Meets or exceeds ANSI A118.12
- Delta IIC Rating 16 dB per ASTM E2179-03

Packaging

1 Roll: 225 Sq. Ft. (20.9 m²)
39.25" (99.7 cm) wide x 69' (21 m) long
28 lbs. (12.7 kg)

Product #3702008111

Coverage

225 Sq. Ft. (20,9 m²)

Suitable Substrates

When properly prepared, suitable substrates include:

- Concrete*
- Plywood
- Gypsum
- OSB
- Over most existing vinyl, tile or natural stone floors

* Concrete with moisture vapor emission rates (MVER) up to 5lbs. per 1,000 sq. ft. per 24 hours (2,27 kg/93 m²/24 hours).

Substrate Preparation

Application surfaces shall be free from oil, grease, dust, paint, concrete sealers, floor finishes or curing compounds. Surfaces must be primed with TEC® Multipurpose Primer. Concrete surfaces must be evaluated for high moisture vapor emission. The maximum acceptable moisture vapor emission rate (MVER) is up to 5lbs. per 1,000 sq. ft. per 24 hours (2,27 kg/93 m²/24 hours) when evaluated by ASTM F1869.

Storage

Store in cool, dry location.

Shelf Life

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

Limitations

- For use with interior floor and counter top only
- Do not apply over wet areas
- Do not use over dimensionally unstable substrates such as particle board, pressboard, lauan plywood, waferboard, tempered hardboard (e.g. Masonite), strip wood flooring or fiberglass
- Do not use in areas subject to hydrostatic pressure from beneath the membrane
- Do not for use over cracks or control joints subject to out-of-plane movement or in-plane movement greater than 3/8" (9 mm)
- Not for use over expansion joints refer to TCNA Handbook Detail EJ-171

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

Description	
Physical State	2-layer underlayment consisting of an asphaltic adhesive coated on a non-woven liner
Release Liner	60# release liner paper
Color	White
ASTM E2179-03 Increased Impact Insulation	Delta IIC 16 dB
ASTM E492-09 Impact Sound Performance	IIC 44 dB
<ul style="list-style-type: none"> • 6" concrete slab with no ceiling • 6" concrete slab with 3/8" (15 mm) gypsum board ceiling 	IIC 60 dB
ASTM E90-09 Airborne Sound Performance	STC 53 dB
<ul style="list-style-type: none"> • 6" concrete slab with no ceiling • 6" concrete slab with 3/8" (15 mm) gypsum board ceiling 	STC 61 dB
VOC/Liter of Material	2% by weight, 30 g/L material

General Technical Data*

Description	
Thickness	
Without release liner	40 mil
With release liner	45 mil
Weight	
Without release liner	1.51 oz./ft ² (43 gm/929 cm)
With release liner	1.83 oz./ft ² (52 gm/929 cm)
Elongation at break	
Machine direction	82%
Cross direction	81%

* Values are an approximation

General Packaging Information

Description	
Width	39.25" (99.7 cm)
Length per Roll	69' (21 m)
Square Footage per Roll	225 ft ² (20.9 m ²)
Quantity per Box	1
Quantity per Pallet	24
Weight per Box*	28 lbs. (12.7 kg)

* Values are an approximation

10. FILING SYSTEM

Division 9

5. INSTALLATION INSTRUCTIONS**Application**

- Clean subfloor so it is free of debris and dirt.
- Apply TEC® Multipurpose Primer to subfloor and let dry. Refer to label for dilution ratio and installation instructions.
- Measure the area and cut membrane length 6" to 8" (15-20 cm) longer than needed to allow for a trimmed fit. If full coverage is needed, skip step 4.
- If only treating individual cracks, cut membrane 3 times the width of the largest tile you will be installing.
- Lay the pre-cut membrane directly on the subfloor with the release liner side down.
- Trim excess material as needed at walls, corners or termination areas.
- Repeat steps until entire floor is covered, butting all seams. Make sure seams do not overlap.
- Pull release liner off membrane while hand-smoothing ridges and air pockets to ensure a good bond with 100% contact with subfloor.
NOTE: Once release liner is pulled from membrane an immediate bond will form. It may be extremely difficult to pull membrane from floor once bonded.
- Roll entire installation with a 75-100 lb. (35-45 kg) roller.
- Tile immediately or cover to protect from debris and potential damage. The use of TEC® brand mortars and grouts is highly recommended. For curing time, refer to manufacturer's product data sheet.

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 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.



tecspecialty.com



H.B. Fuller Construction Products Inc.
1105 South Frontenac Street
Aurora, IL 60504-6451