

## 1. PRODUCT NAME

Speed-Flex<sup>™</sup> Crack Isolation System

## 2. MANUFACTURER

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

1-800-552-6225 Office  
1-800-952-2368 Fax  
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## 3. PRODUCT DESCRIPTION

Speed-Flex<sup>™</sup> Crack Isolation System is a primerless, pressure sensitive and elastomeric crack isolation and anti-fracture system.

### Features and Benefits

- Quick and easy to install
- No priming required
- Lightweight and easy to handle and cut (no tar residue)
- Chalk lines visible through membrane for easy installation
- 15 mil thickness
- Interior only
- Limited lifetime warranty
- Non-hazardous, non-toxic (EPA 8260 & EPA 5030B tested)
- Adhesive is solvent free, 100% solids, modified acrylic
- Crack isolation and anti-fracture underlayment isolates up to 3/8" (10 mm) horizontal movement (1/8" (3 mm)) for partial coverage as recommended in the TCNA Handbook for Ceramic, Glass, and Stone Tile Installation (Detail F-125-Partial)

### Uses

- For setting ceramic, porcelain and natural stone
- Bridge concrete joints, cracks and expansion joints against horizontal movement of the substrate
- Residential and commercial
- Malls
- Hospitals
- Restaurants

### For installations over:

- Concrete
- Properly prepared ceramic tile
- Exterior grade plywood
- OSB
- Hardwood flooring
- Gypsum-based underlayment\*

\* Requires manufacturer's sealer applied and cured according to manufacturer's instructions.

## SAFETY

READ THE SAFETY DATA SHEET (SDS) BEFORE USING THIS PRODUCT. SDS Sheets are available on our website [prospec.com](http://prospec.com) or contact Medical Emergency Phone Number (24 Hours): 1-888-853-1758, Transport Emergency Phone Number (CHEMTREC): 1-800-424-9300 or contact ProSpec<sup>®</sup> Technical Services at 1-800-832-9023 (7:00AM to 5:00PM M-F, Central US Time).

## 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 ProSpec<sup>®</sup> 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

Speed-Flex <sup>™</sup> Typical Values	
Meets ASTM C 627 for Load Bearing "Extra Heavy Service"	
Crack resistance per ANSI 118.12	High Performance 3/8" (10 mm) horizontal movement
Mold Growth ANSI 118.12	No mold growth
Tensile Strength Fabric	320 psi (2.2 MPa)
Elongation (adhesive only)	500%
Thickness	15 mil (+/-4 mil)

### LEED<sup>®</sup> Eligibility<sup>1</sup>

- Regional Materials (MR-c5)
- Low-Emitting Materials (IEQ-c4.1, IEQ-c4.3)

### Packaging

Available in 25 and 75 ft rolls.

- 1' x 25' / (0.3 m x 7.6 m) - 8 rolls per case - Product #65464011
- 1' x 75' / (0.3 m x 23 m) - 4 rolls per case - Product #65464012
- 2' x 75' / (0.6 m x 23 m) - 2 rolls per case - Product #65464013
- 3' x 75' / (1 m x 23 m) - 1 roll per case - Product #65464014
- 4' x 75' / (1.2 m x 23 m) - 1 roll per case - Product #65464015

## 5. INSTALLATION

### Preparation

Refer to: Uniform Building Code 2516h.

- The substrate must be dry, clean, hard and dimensionally stable. It must be free from loose particles, wax, sealers, curing compounds, grease, paint or any foreign materials that will inhibit adhesion.
- Surface must be structurally sound and meet L/360 for ceramic and porcelain tile or L/720 for stone tile on live or dead loads. Maximum variation of 1/4" (6 mm) in 10' (3 m) from the required plane.

### Job Mockups

The manufacturer requires that when its ProSpec® products are used in any application or as part of any system that includes other manufacturers' products, the contractor and/or design professional shall test all the system components collectively for compatibility, performance and long-term intended use in accordance with pertinent and accepted industry standards prior to any construction. Written documentation of the tests performed shall be satisfactory to the design professional and contractor. Test results must include the means and methods of application, products used, project-specific conditions being addressed, and standardized tests performed for each proposed system or variation.

### Application

- Substrate isolation is limited specifically to horizontal plane movement. Speed-Flex™ may not eliminate all problems associated with vertical shearing, heaving or peaking movement of the substrate or excessive vapor transmission.
- Apply when air and substrate temperature is between 35° - 120°F (2° - 49°C).
- Use only latex modified tile setting mortars that meet ANSI A118.4 or A118.11. Rapid setting tile setting mortars are acceptable and may improve performance times with porcelain and dense stone.
- Minimum width of sheeting should be 2 times the width of the tile being installed as recommended in the TCNA Handbook for Ceramic, Glass, and Stone Tile Installation.

### Product Placement:

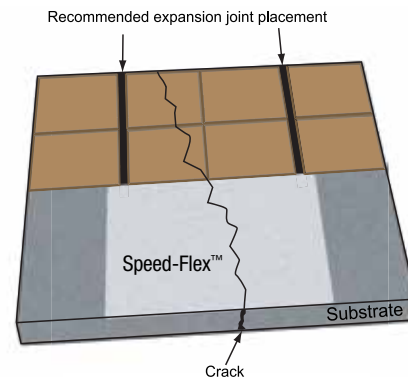
1. Unroll and cut to length needed. Do not take off release liner until Step 5.
2. Snap a chalk line to create a visible line for edge of Speed-Flex™ to be placed. Crack or joint should be centered under Speed-Flex™.
3. Place the Speed-Flex™ in the exact place to be adhered. The fabric will always be on the top.
4. With Speed-Flex™ in place, fold over about 20" (51 cm) on one end so that the release liner is visible. Lightly cut through or score about 12" (30 cm) of the release liner only. Carefully remove the 12" (30 cm) of release liner.
5. Carefully lay the exposed side down firmly and smoothly, adhering it to the substrate. Now the sheet will hold in place. Take the other end of the sheet and roll it back up as far as possible.

### Product Placement: (cont.)

7. Reach under the roll and take the two corners of the release liner and pull toward you. As you pull, the roll will unroll itself. Slowly pull so the edge of the Speed-Flex™ meets with the chalk line.
8. Now that the Speed-Flex™ is firmly in place, take the flat side of a trowel or 50 - 75 lb floor roller and apply light pressure over the Speed-Flex™. Work from the center outward. Any trapped air bubbles can be cut with the utility knife and bled out. If more than one roll is used, butt seams, do not overlap.
9. Caulk the perimeter of the installation at all abutments such as walls, cabinets and door jams, 1/4" (6 mm) gap will be required. Tile can easily buckle and crack due to lack of proper expansion joints placed in tile. Use ProColor Advantage Caulk for filling expansion joints.

Note: It is the responsibility of the installer/applicator to ensure the suitability of the product for its intended use.

### Strip Application:



Minimum Speed-Flex™ width is twice the width of the largest tile being installed.

### Limitations

- Do not use on substrates where hydrostatic water pressure exists.
- Do not use where horizontal crack movement may be greater than 3/8" (10 mm).
- Do not use a premixed, ready-to-use tile adhesive.
- Do not use when the relative humidity in the concrete exceeds 90% per ASTM F 2170 or if the surface moisture vapor transmission per ASTM F 1869 (calcium chloride) is > 8 lb / 1000 ft<sup>2</sup> / 24 hr.

## 6. AVAILABILITY

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

Phone: 800-832-9002

Website: [prospec.com](http://prospec.com)

## 7. WARRANTY

For warranty details, see your sales associate or [prospec.com](http://prospec.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 [prospec.com](http://prospec.com)

## 10. FILING SYSTEM

Division 9

<sup>1</sup> ProSpec® products can contribute to LEED® credits within the Material Resource, (Recycled Content & Regional Materials) and Indoor Environmental Quality (Low Emitting Materials).

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Data Sheets are subject to change without notice. For the latest revision, check our website at [prospec.com](http://prospec.com)



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