

1. PRODUCT NAME

Flex-Guard[™] Crack Isolation System

2. MANUFACTURER

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3. PRODUCT DESCRIPTION

Flex-Guard[™] Crack Isolation System is a primerless, pressure sensitive, elastomeric, crack isolation and anti-fracture system.

Features and Benefits

- Quick and easy to install
- No priming required
- Lightweight, easy to handle and cut (no tar residue)
- Chalk lines visible through membrane for easy installation
- 25 mil thickness
- Extra heavy service rating
- Provides sound reduction
- Interior and exterior
- 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 1/4" (6 mm) for partial coverage as recommended in the TCNA Handbook for Ceramic, Glass, and Stone Tile Installation (Detail F125-Partial)

Uses

- Bridge concrete joints, cracks and expansion joints against horizontal movement of the substrate
- Residential and commercial
- Tile and stone
- Decks and balconies
- Malls
- Hospitals
- Restaurants

Uses

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 or contact Medical Emergency Phone Number (24 Hours): 1-888-853-1758, Transport Emergency Phone Number (CHEMTREC): 1-800-424-9300 or contact ProSpec[®] 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[®] 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

Flex-Guard [™] Typical Values	
Meets ASTM C 627 for Load Bearing "Extra Heavy Service"	
Horizontal Movement ANSI 118.12 for 1/8" (3 mm)	Passes (exceeds 3/8" (10 mm) horizontal movement)
Sound Reduction (IIC)	
6" concrete with drop ceiling	71
Concrete with wood sub 53	53
Mold Growth ASTM 118.10	No mold growth
Tensile Strength Fabric	320 psi (2.2 MPa)
Elongation (adhesive only)	500%
Thickness	25 mil (+/-5 mil)

LEED[®] Eligibility¹

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

Packaging

Available in 25 and 75 ft rolls.

- 1' x 25' / 8 rolls per case - Product #65464001
- 1' x 75' / 4 rolls per case - Product #65464002
- 2' x 75' / 2 rolls per case - Product #65464003
- 3' x 75' / 1 roll per case - Product #65464004
- 4' x 75' / 1 roll per case - Product #65464005

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.
- After cleaning, test the moisture vapor transmission rate. Refer to ASTM F1869-98. Vapor drive should not exceed 8 lbs. per thousand square feet in 24 hours.
- 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. Once installed tile may be set immediately.

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

Apply when air and substrate temperatures are between 35° - 120°F (2° - 49°C). Use only latex modified thin set 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.

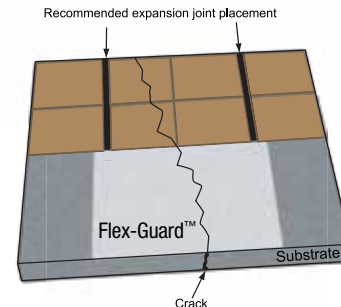
1. Unroll and cut to length needed. Do not take off release liner until Step 5.
2. Snap a chalk line to create a visible line for edge of Flex-Guard™ to be placed. Crack or joint should be centered under Flex-Guard™.
3. Place the Flex-Guard™ in the exact place to be adhered. The fabric will always be on the top.
4. With Flex-Guard™ 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.
6. 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 Flex-Guard™ meets with the chalk line.

Application (cont.)

8. Now that the Flex-Guard™ is firmly in place, take the flat side of a trowel or 50 - 75 lb floor roller and apply light pressure over the Flex-Guard™. 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 abutments such as walls, cabinets and door jams, 1/4" (6 mm) gap will be needed. 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 Flex-Guard™ 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.

6. AVAILABILITY

To locate ProSpec® products in your area, please contact:
Phone: 800-832-9002
Website: prospec.com

7. WARRANTY

For warranty details, see your sales associate or 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

10. FILING SYSTEM

Division 9

¹ 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



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