

FLEX-GUARD

Description

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

Features

- Crack isolation and anti-fracture underlayment isolates up to 3/8" horizontal movement (1/4" for partial coverage per TCA Handbook Detail F-125)
- No priming required
- Interior or exterior
- Non-hazardous, non-toxic (EPA 8260 & EPA 5030B tested)
- Lightweight and easy to handle and cut (no tar residue)
- Lifetime warranty
- Quick and easy to install
- Promotes thin set drying for large format tile
- Extra heavy service rating
- 25 mil thickness
- Provides sound reduction
- Chalk lines visible through membrane for easy installation
- Adhesive is solvent free, 100% solids, modified acrylic

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

For installation over:

- Concrete
- Exterior grade plywood
- Lightweight gypsum crete*
- OSB
- Tile over tile
- Hardwood flooring

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

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Technical Data	
Meets ASTM C 627 for Load Bearing "Extra Heavy Service"	Mold Growth ASTM 118.10
Horizontal Movement ANSI 118.12 for 1/8"	No mold growth
Passes (exceeds 3/8" horizontal movement)	Tensile Strength Fabric
Sound Reduction (IIC)	320 psi
6" concrete with drop ceiling	Elongation (adhesive only)
Concrete with wood sub	500%
	Thickness
	25 mil (+/- 5 mil)

Preparation	Refer to
<p>The substrate must be dry, clean, sound and dimensionally stable. It must be free from loose particles, wax, sealers, curing compounds, grease, paint or any foreign materials that will inhibit bonding. 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" in 10' from the required plane. Once installed tile may be set immediately.</p>	<ul style="list-style-type: none"> Uniform Building Code 2516h

Application

Use only latex modified thin set ANSI A118.4 or A118.11. Minimum width of sheeting should be 2 times the width of the tile being installed per Tile Council of North America recommendations.

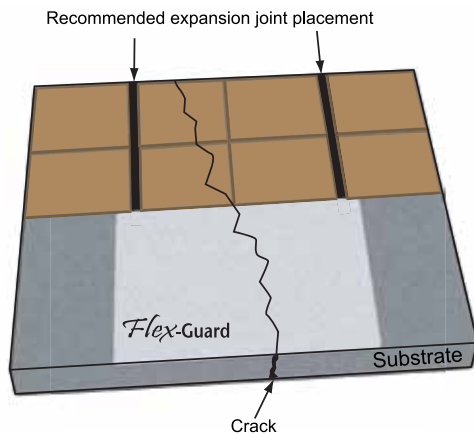
- Surface must be free of debris, oils, paints, construction dust and must be dry. Wipe clean with damp sponge and let dry.
- Unroll and cut to length needed. Do not take off release liner until Step 6.
- Snap a chalk line to create a visible line for edge of Flex-Guard to be placed. Crack or joint should be centered under Flex-Guard.
- Place the Flex-Guard in the exact place to be adhered. The fabric will always be on the top.
- With Flex-Guard in place, fold over about 20 inches on one end so that the release liner is visible. Lightly cut through or score about 12" inches of the release liner only. Carefully remove the 12" of release liner.
- 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.
- Reach under the roll, 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.
- Now that the Flex-Guard is firmly in place, take the flat side of a trowel or 50-75 pound 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.
- Caulk to perimeter of the installation, such as walls, cabinets and door jams, 1/4" gap will be needed. Tile can easily buckle and crack due to lack of proper expansion joints placed in tile. See ANSI A118.12 recommended flexible caulking for expansion joints.

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

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Application (cont'd)

Strip Application



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

Best Performance

- Substrate isolation is limited specifically to horizontal plane movement. Flex-Guard may not eliminate all problems associated with vertical shearing, heaving or peaking movement of the substrate, or excessive vapor transmission.
- Do not use on substrates where hydrostatic water pressure exists.
- Not recommended where horizontal crack movement may be greater than 3/8".
- Apply when air or substrate temperature is between 35-120° F (2-49° C).
- Do not use a premixed, ready-to-use tile adhesive.
- Rapid setting thin set mortars are acceptable and may improve performance times with porcelain and dense stone.
- Moisture Vapor Transmission (MVT) F-1869-98 test. Vapor drive should not exceed 8 lbs. per thousand square feet in 24 hours.

Sizes

75 ft. rolls available in 1, 2, 3 or 4 ft. widths; 25 ft. rolls available in 1 ft. widths



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Flex-Guard™ 30 Year Limited Performance Warranty

Flex-Guard™ is guaranteed against floor tile fractures due to horizontal movement of the substrate for 30 years following ANSI 108 procedures for tile installations. See installation instructions.

TERMS AND CONDITIONS

Subject to the conditions and limitations stated in this document, Flex-Guard Products, Inc. (F.G.P.) guarantees to the original owner that the F.G.P. anti-fracture sheeting will be free from manufacturing defects, will not break down, deteriorate or fail to isolate finished floor from 3/8" horizontal movement of substrate for full floor coverage or 1/4" movement with "2 times width" of tile installation when installed in accordance with ANSI tile industry standards. This warranty is transferable to new owner of structure when registered with F.G.P., Inc.

EXCLUSIVE REMEDY

Installations correctly utilizing ANSI 108 guidelines and F.G.P. products listed on this document, F.G.P. will repair and/or replace, at its discretion, the affected area of the system. Such cost to F.G.P. shall not exceed the original square foot cost of the installation shown to be defective including labor. Proof of product purchase cost may be required.

Commercial installations are guaranteed against fractures due to horizontal movement for 20 years of the original property owner at the time of installation and application of Flex Guard Sheeting. Commercial warranty is non-transferable. The above Terms and Conditions and Remedies apply. Warranted area is limited to the flooring bonded to the Flex Guard Sheeting. Notification of failure must be within 30 days. Flex Guard Products, Inc. reserves the right to inspect claims, if installation is shown to be defective or fails to perform as herein stated.

LIMITATION OF REMEDIES AND DAMAGES

F.G.P. is not responsible for structural failure or workmanship that is not in accordance with standard industry practices, procedures and F.G.P. published instructions. F.G.P. is not liable for losses due to delays or any other consequential damages. Cracking due to vertical structural movement, excessive deflection, other structural failures of the substrate or damage to structural or sub floor elements from water are also not covered. Acts of nature including, but not limited to, flooding, hurricane, tornado, earthquake and fire shall not be covered under this warranty. The potential for efflorescence inherent in all cementitious products and is not considered a manufacturing defect. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS - YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE. This warranty is in place of all other warranties, express or implied.

WARRANTY REQUIREMENTS

F.G.P. installation requirements can be obtained by calling Technical Support at (800) 279-7600.

Warranty is VOID if Flex-Guard is less than 2 times the width of the tiles being installed. Must be in accordance to ANSI 118.12. Warranty is void if hydrostatic water pressure exists. Water Vapor Transmission shall not exceed 5# per 1000 sq.ft. /24hr. All expansion joints should be in compliance with Tile Council of America Installation Handbook, see "Joint Essentials". Visit www.tileusa.com for more information. One of the most common failures of floor tile is the lack of expansion joints placed in the tile. Without proper expansion placement, the tile may fail from expanding and contracting. Exterior tile can expand up to 2" in 100 lf. This movement can cause lifting of the entire floor. This movement may be destructive not only to the floor tile but also Flex-Guard Sheeting. Tile expansion control is the sole responsibility of the installation parties and/or spec writers. Satisfactory results not only depend upon quality products, but also on factors beyond our control. Lack of proper and professional installation of the Flex-Guard Sheeting and tile is not the responsibility of Flex Guard Products, Inc.