

# FRACTUREFREE® CRACK PREVENTION MEMBRANE

- **Convenient — ready-to-use**
- **Apply by roller or trowel**
- **Elastomeric — Isolates cracks in tile and stone floors**

PRICE



## PRODUCT DESCRIPTION

Ready-to-use, elastomeric, crack prevention membrane developed for protecting tile floors from cracks due to minor surface movement. Provides anti-fracture protection of up to 1/8" (3 mm) over shrinkage and other non-structural cracks. Suitable for all interior or exterior commercial and residential tile and stone installations. Easily applied with roller or trowel. Meets A118.12 for crack isolation membranes.

## AREAS OF USE

- Mortar bed
- Concrete
- Backerboards such as WonderBoard® and EasyBoard®
- Exterior grade plywood (interior, dry areas)
- Exterior decks

## LIMITATIONS

- Do not apply to surfaces that may go below 40° F (4° C) during the first 72 hours after application, over wet surfaces or surfaces subject to hydrostatic pressure.
- Do not use to bridge or cover over existing expansion, control, construction, cold or saw-cut joints.
- Not for use as an adhesive.
- Not for controlling vertical movement cracks.
- Do not use as a wear surface. Membrane must be covered with tile.

## SURFACE PREPARATION

### General Surface Preparation:

Surfaces must be structurally sound, clean, dry and free from grease, oil, dirt, curing compounds, sealers, adhesives or any other contaminant that would prevent a good bond. Existing surfaces should be smooth and level and all defects repaired. Glossy or painted surfaces must be sanded, stripped and cleaned of waxes, dirt or any contaminants.

### Cementitious Surfaces:

Concrete must be fully cured and accept water penetration. Test by sprinkling water on various areas of the substrate. If water penetrates, then a good bond can be achieved. If water beads, surface contaminants are present and loss of adhesion may occur. The contaminants should be removed before installation. Concrete must be free of efflorescence and not subject to hydrostatic pressure.

### Plywood Substrates:

Plywood floors must be structurally sound and meet all ANSI and deflection requirements. For questions about proper subfloor installation, call Technical Services.

## APPLICATION

Force FractureFree® into cracks with the flat side of a trowel, or a roller or brush. Then, using a 3/16" x 1/4" (5 x 6 mm) V-notch trowel or 3/8" (9.5 mm) rough textured roller, apply additional material onto the substrate. If using a trowel, use the flat side of the trowel and flatten the ridges to form a continuous, even coat of material. Membrane should extend beyond both sides of the crack a minimum of the diagonal measurement of the tile. For continuous crack isolation cover the entire substrate with material. Material should be applied at least 30 mils wet film thickness, about the thickness of a credit card.



## TILE INSTALLATION

Install tile or stone with a Custom polymer-modified mortar that meets ANSI A118.4 or A118.11 requirements.

## DRYING TIME

The product is beige when wet and it turns a solid mustard color when dry, normally 1-1/2 to 2 hours. Depending on ambient conditions, drying time can take up to 12 hours.

## COVERAGE

3-1/2 gallon (13.25 L) pail covers approximately 245 sq. ft. (51 M<sup>2</sup>) at 30 mil thickness when wet.

## CLEAN-UP

Clean tools and hands with water before material dries. Clean all spray equipment immediately after use.

## STORAGE

Keep from freezing.

## SAFETY

Wear rubber gloves and eye protection. Avoid eye contact. If eye contact occurs, flush with water for 15 minutes and call a physician. Wash thoroughly after handling. KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY.

## ORDERING INFORMATION

ITEM CODE	SIZE	COLOR	PACKAGE
FFM3	3-1/2 gallon (13.25 L)	Beige	Pail

## TECHNICAL DATA

	FRACTUREFREE® CRACK PREVENTION MEMBRANE
Pot Life	Indefinite
Initial Set, ASTM C191 @ 70° F (21° C)	1-1/2 – 2 hours
Drying Time Before Floor Covering Installation	1-1/2 – 2 hours or up to 12 hours
ANSI 118.10 sect. #	
Fungus and Micro-Organism Resistance (4.2)	Passes
Seam Strength (4.2)	16 lbs./2 inch width (>7.3 kg/5 cm)
Breaking Strength (4.3)	484 psi (34.0 kg/cm <sup>2</sup> )
Dimensional Stability (4.4)	0.05%
Shear Strength 12-week dry cure (5.6)	267 psi (18.8 kg/cm <sup>2</sup> )
% Elongation ASTM D-638	
21-day dry	562%
7-day dry/21-day wet	657%

## LIMITED WARRANTY

Custom Building Products (“Custom”) warrants to the original consumer purchaser that its product shall be free from defects in material and workmanship under normal and proper usage for a period of one year following the date of original purchase. Custom’s sole liability under this warranty shall be limited to the replacement of the product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty will not extend to any product which has been modified in any way or which has not been used in accordance with Custom’s printed instructions. Custom makes no other warranties either express or implied. This warranty gives you specific legal rights, and you may have other rights that vary from state to state.



**CUSTOM**<sup>®</sup>  
BUILDING PRODUCTS