

NAC ECB®

Crack Isolation Sheet Membrane

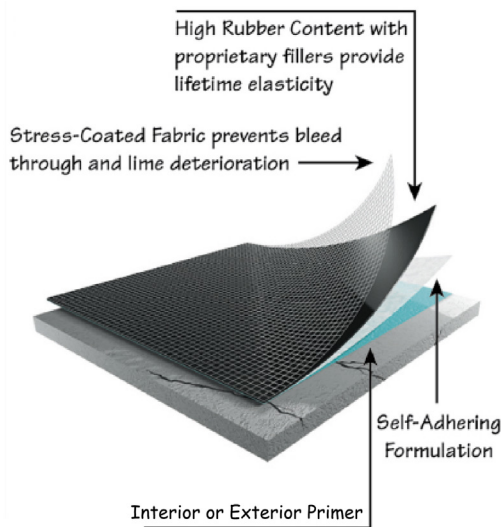
PRODUCT DATA SHEET

PRODUCT OVERVIEW

ECB® Classic (Elastomeric Crack Bridging) is the first self-adhering, anti-fracture/crack isolation membrane ever available and is the original fast track solution for sameday tile installation.

ECB Classic is a self-bonding, sheet applied elastomeric membrane consisting of a base layer of polymer modified elastomers permanently laminated to a unique "stress flex" fiber sheet. Together they form a single, high performance, self-bonding membrane designed for use under floor surfaces that require protection from structural movement.

ECB® Classic



ECB Classic substantially reduces reflective cracking and delamination between the substrate and floor surface. Full floor coverage with 36" ECB Classic will provide crack isolation protection for up to 3/8" lateral substrate movement. The peel-and-stick membrane must be applied with an NAC Primer and as soon as it is positioned, flooring can be installed immediately, minimizing down time and labor cost.



FEATURES & BENEFITS

- Suitable for interior and exterior use
- Protects up to 3/8" lateral movement
- Meets ANSI A118.12 and ANSI A118.10
- Protects from reflective cracking and delamination
- Safely covers asbestos flooring and provides an effective barrier against radon and mold
- Resists MVT up to 10#/1000SF/24HRS when used with NAC TAC and NS97 Primer and 7#/1000SF/24HRS when used with NAC TAC II
- Eliminates need to cut tile to meet control/cold joints
- No need to remove old floors or recess new ones
- Tile can be installed the same day as membrane
- Works with radiant-heat and tile warming systems

SUITABLE FLOORING

ECB Classic is recommended for installation under a variety of flooring including, ceramic, porcelain, stone, marble, slate, granite tile, pavers and brick using a thin or medium-bed mortar meeting ANSI A118.4.

Hardwood, manufactured wood, commercial grade vinyl, LVT and other finished floors are also acceptable when floated over membrane or installed with a solvent-free adhesive; check with manufacturer.

Ideal for use with radiant heated floors and low voltage tile warming systems.

SUITABLE SUBSTRATES

ECB Classic may be installed over a variety of substrates:

Concrete: Poured, pre-stressed and pre-cast concrete, concrete backerboard, mud beds, gypsum, lightweight concrete, leveling and patching compounds.

Wood: Plywood, APA-rated sheathing, Sturd-I-Floor, hardwood, tongue and groove and OSB with standard face. (Gap between sheeting as required.)

Other Substrates: Existing and structurally sound installations of ceramic or porcelain tile, stone, terrazzo, VCT/VAT, metal, radiant-heated, painted and sealed floors and floors damaged by shrinkage and structural movement. A bond test is recommended.

- For absorptive substrates use Moisture Lock 101 in accordance with manufacturer's instructions.
- A cementitious scratch coat must be applied to concrete block and cured before priming.
- Substrates must be dry, well adhered, and clean of wax, petroleum sealers, dirt, grease, oil or other bond breakers.
- Some concrete boards are not suitable for the application of ECB Classic; check with manufacturer.
- Not recommended for vertical or overhead applications.
- Refer to current TCNA handbook for additional guidelines.

SHORT FORM SPECIFICATIONS

1. **Material:** Provide ECB Classic Anti-Fracture Membrane as manufactured by:
NAC Products, Inc.
3200 S. Main St. Akron, OH 44319
(800) 633-4622 - www.NACproducts.com
or an architect approved equal.
 - I. 40 mil thick load bearing membrane, capable of 3/8" crack isolation protection.
 - II. Self bonding, pressure sensitive sheet.
 - III. Compatible with most latex modified thinset mortars, epoxies and adhesives.

Material: Provide NAC TAC, NAC TAC II or NS97 primer (See primer chart below). Full floor coverage of material to be installed in a 36" wide strip application over control/saw cut joints as recommended by manufacturer and in 12" or 24" wide strip applications over cracks.
2. **Equipment:** Damp mop, industrial vacuum, chalk line, 75-100# roller or flat trowel applying 50 lbs. of pressure/sq. inch, paint roller applicator or brush, utility knife.
3. **Warranty:** NAC Products, Inc. offers limited and lifetime performance and materials warranties. Please contact customer service at 800.633.4622 or visit NACproducts.com for more information.

TECHNICAL DATA

ECB® Classic Anti-Fracture Membrane

Thickness: 40 mil, ± 5 mil (< 1/16")

Seams: Butt joint application

Roll Sizes & Weights:

- 1' (305 mm) x 50' (15.24 m) @ 17 lb (7.7 kg)
- 2' (610 mm) x 25' (15.24 m) @ 34 lb (15.5 kg)
- 3' (915 mm) x 50' (15.24 m) @ 52 lb (22.7 kg)

Shelf Life: 1 year

Freeze Thaw: Stable

Property	Test Value	Test Method
FHA 4900.1	Pass, 3' Head (914 mm)	ASTM D-583
Crack Resistance	3/8" (9.5 mm)	NAC Model
System Crack Resistance	Rated High Performance	ANSI A118.12
Load Bearing, Bonded Waterproof Membrane	Pass	A118.10
Shear/Bond	Pass	A118.12
Impact Resistance	Pass*	Mil-D-3134J
System Performance	Extra Heavy Duty	ASTM C-627

* Modified for ceramic tile. 2 lb. (.91 kg) ball dropped 8' (2.44 m) on an 8" x 8" (203 mm) porcelain tile bonded to ECB® Classic Anti-Fracture Membrane & Strataflex® Waterproof Membrane.

For full test results, please contact NAC Products, Inc. at 800.633.4622.

NAC	Interior Application			Exterior Application		
	Below Grade	On Grade	Above Grade	Below Grade	On Grade	Above Grade
NAC TAC	✓	✓	✓	✓	✓	✓
NAC TAC II		✓	✓			
NS97				✓	✓	✓



National Applied Construction Products, Inc.

3200 South Main St. Akron, OH 44319

www.nacproducts.com

800.633.4622 • fax: 330.644.3117

©2021 NAC Products, Inc. All Rights Reserved. Rev 12/21