



# ECB<sup>®</sup> 75

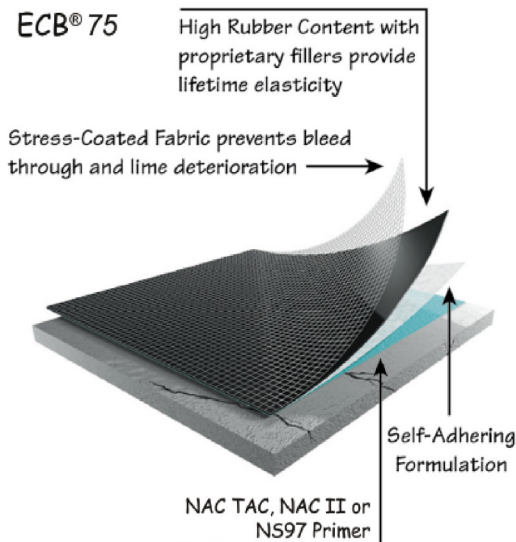
Crack Isolation Sheet Membrane

## PRODUCT DATA SHEET

### PRODUCT OVERVIEW

ECB<sup>®</sup> 75 anti-fracture/crack isolation membrane is a value-priced alternative to ECB Classic. ECB 75 consists of a base layer of polymer modified elastomers permanently laminated to a unique "stress flex" fiber sheet to form a single, high performance, self-bonding membrane. ECB 75 is designed for use under floor surfaces that require protection from lateral structural and thermal movement.

ECB 75 substantially reduces reflective cracking and delamination between the substrate and floor surface. Full floor coverage with 36" (915 mm) ECB 75 will protect against 1/4" (6.4 mm) lateral substrate movement, and because it is a self-bonding system, it is easier to apply, and installs faster than other systems. Once applied, floor tile can be installed immediately, minimizing down time and labor cost.



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### FEATURES & BENEFITS

- Suitable for interior, residential use
- Meets ANSI A118.12 and ANSI A118.10
- Protects against cracking and delamination
- Safely covers asbestos flooring and provides an effective barrier against radon and mold
- Resists MVT 10#/1000SF/24HRS when used with NAC TAC or NS97 Primer or 7#/1000SF/24HRS when used with NAC TAC II Primer
- Eliminates need to cut tile to meet control/cold joints
- Can be used for thin and medium-bed applications
- Self-bonding and self-healing formula
- Tile can be installed the same day as membrane
- Works with radiant-heated floors and tile warming systems

### INSTALLATION

ECB 75 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 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 75 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 sheathing 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<sup>®</sup> 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 75; check with manufacturer.
- Not recommended for vertical or overhead applications.
- Refer to current TCNA handbook for additional guidelines.

### SHORT FORM SPECIFICATIONS

- Material:** Provide ECB 75 Anti-Fracture Membrane as manufactured by:  
NAC Products, Inc.  
159 S. Main St., Suite 425, Akron, OH 44308  
(800) 633-4622 - [www.NACproducts.com](http://www.NACproducts.com) or an architect approved equal.
  - 40 mil thick load bearing membrane, capable of 1/4" crack isolation protection.
  - Self bonding, pressure sensitive sheet.
  - Compatible with most latex modified thinset mortars, epoxies and adhesives.

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.
- 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.
- Warranty:** NAC Products, Inc. offers limited and lifetime performance and materials warranties. Please contact customer service at 800.633.4622 or visit [NACproducts.com](http://NACproducts.com) for more information.

### TECHNICAL DATA

#### ECB 75 Anti-Fracture Membrane

- Thickness:** 40 mil, ± 5 mil (< 1/16")  
**Seams:** Butt joint application  
**Roll Size & Weight:**  
 3' (915 mm) x 75' (22.86 m) @ 62 lb (23.58 kg)  
**Shelf Life:** 1 year  
**Freeze Thaw:** Stable

Property	Test Value	Test Method
Crack Resistance	1/4" (6.4mm)	NAC Model
System Crack Resistance	Rated High Performance	ANSI A118.12
Load Bearing, Bonded Waterproof Membrane	Pass	ANSI A118.10
Shear/Bond	Pass	A118.12
System Performance	Extra Heavy Duty	A118.12

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

NAC Primer Reference Chart						
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.

[www.nacproducts.com](http://www.nacproducts.com)  
800.633.4622