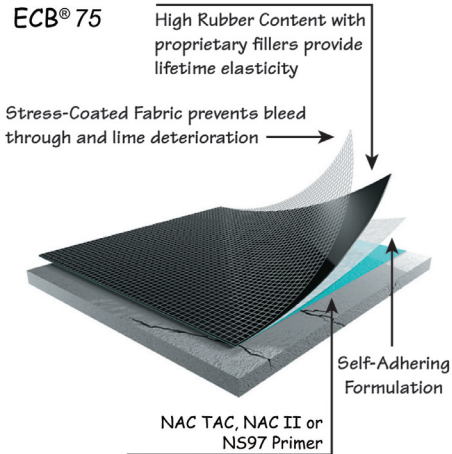


ECB[®] 75 Anti-Fracture Membrane System

Product Data Sheet

National Applied Construction Products, Inc. • 800-633-4622 • Fax: 330-644-3557 • www.NACproducts.com
 Important: Proper installation of this system requires use of the appropriate primers and companion products. Read and understand Product Data (PDS) and Material Safety Data (MSDS) for all products prior to installation.



Advanced Crack Isolation with MVT Resistance

ECB[®] 75 membrane is a value-priced alternative to ECB[®], the original self-adhering crack isolation membrane. Packaged in 3' x 75' (915 mm x 22.86 m) rolls (225 sqft), 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 structural and thermal movement and will protect against Moisture Vapor Transmission (MVT) 10#/1000SF/24HRS when used with NAC TAC or NS97 Primer or 7#/1000SF/24HRS when used with NAC TAC II Primer. The membrane adheres permanently to the substrate.

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.

How It Works

The key to ECB[®] 75's effectiveness is in its two component design. The elastomeric base layer functions as a buffer, absorbing the thermal and structural movement of the substrate, while its unique "stress flex" fiber sheet accommodates A118.4 or better latex mortars, organic adhesives and epoxy setting materials. The adhesion and integrity of the tile floor are preserved by the "anti-fracture" action. NAC TAC, NAC TAC II or NS97 Primers are necessary components of the system. (See primer chart for more information).

ECB[®] 75 Anti-Fracture Membrane Features and Benefits

- Suitable for interior and exterior use
- Meets ANSI A118.12 and ANSI A118.10
- Protects against reflective cracking and delamination
- IIC: 70 per ASTM E492-04
- STC: 67 per ASTM E90-04
- Safely covers asbestos flooring and provides an effective barrier against radon and mold
- Resists Moisture Vapor (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
- No need to remove old floors or recess new ones
- 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 Under

ECB[®] 75 is recommended for installation under thin bed & medium-bed mortar installations (ANSI A118.4) of ceramic, porcelain, stone, marble, slate, and granite tile, pavers, and brick. Hardwood, manufactured wood, commercial grade vinyl and other finished floors are also acceptable; check with manufacturer. Also ideal for use with radiant heated floors and low voltage tile warming systems.

Suitable Substrates

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

Wood: Exterior or exposure 1 plywood, APA-rated sheathing, Sturd-I-Floor, hardwood, tongue and groove and OSB with standard face. (Gap between sheathing as required.)

Other Substrates: Ceramic and porcelain tile, stone, terrazzo, VCT/VAT, metal, radiant-heated, painted and sealed floors and floors damaged by dry shrinkage and structural movement.

- For absorptive substrates use Moisture Lock 101[®] in accordance with manufacturer's instructions.
- A cementitious parge 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 surfaces.
- Refer to current TCNA handbook for additional guidelines.

Short Form Specifications

ECB® 75 Anti-Fracture Membrane

- Material:** Provide **ECB® 75** 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.
 - 40 mil thick load bearing membrane, capable of 1/4" crack suppression
 - 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 or material to be installed in a 36" wide strip application over control/saw cut joints as recommended by manufacturer.

- 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 a range of limited and lifetime performance and materials warranties. Please contact customer service at 800.633.4622 for details or visit www.NACproducts.com for more information on warranties.

Technical Data


ECB® 75 Anti-Fracture Membrane

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

Property	Test Value	Test Method
Crack Resistance	1/4" (6.4 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
System Performance	Extra Heavy Duty	ASTM C-627
Impact Insulation Class	70	ASTM E 492-04
Sound Transmission Class	67	ASTM E 90-04

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

Primer Reference Chart

	INTERIOR APPLICATION			EXTERIOR APPLICATION		
	Below Grade	On Grade	Above Grade	Below Grade	On Grade	Above Grade
NAC TAC	✓	✓	✓	✓	✓	✓
NAC TAC II		✓	✓			
NS97				✓	✓	✓

Reference the PRIMER PDS SHEET for complete information of NAC Products, Inc. primers.