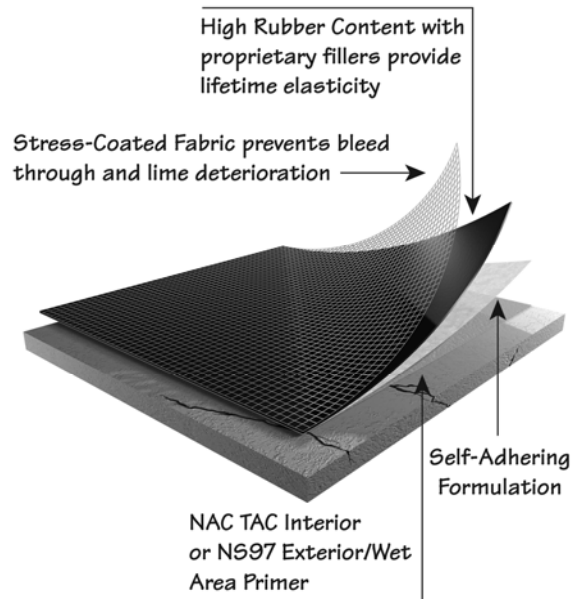


National Applied Construction Products, Inc. • 800.633.4622 • Fax: 330.644.3557 • www.NACproducts.com

IMPORTANT: Proper installation of this Membrane System requires use of the appropriate Primers and Companion Products. Read and understand Install, Product Data (PDS) and Material Safety Data (MSDS) Sheets for all products prior to installation.



Advanced Crack Isolation with MYT Resistance

ECB Membrane is a self-bonding, sheet applied elastomeric membrane. It consists 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.

ECB Membrane is designed for use under floor surfaces that require protection from structural movement and will protect against Moisture Vapor Transmission (MVT) 10#/1000SF/24HRS. The membrane adheres permanently to the substrate, remains flexible and is guaranteed for a lifetime of use.

ECB Membrane substantially reduces reflective cracking and delamination between the substrate and floor surface. Full floor coverage with 36” ECB will protect against 3/8” 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’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 (Interior) or NS97 (Exterior) Primers are necessary components of NAC Membrane Systems.

ECB Features and Benefits

- Suitable for interior and exterior use
- Meets ANSI A118.12 and ANSI A118.10
- Protects against reflective cracking and delamination
- Reduces live and dead load failures
- Safely covers asbestos flooring and provides an effective barrier against radon and mold;
- Resists Moisture Vapor (MVT) 10#/1000SF/24HRS
- 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-bed and medium-bed applications
- Self-bonding and self-healing formula
- Tile can be installed the same day as membrane
- No need for specialized equipment
- Works with radiant-heated floors and tile warming systems

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 surfaces such as moderately hard concrete, mud beds, gypsum/gypcrete, lightweight concrete and patching/ leveling compounds, apply 101 Floor Prep 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; check with manufacturer.
- A pull test is required before applying tile to vertical or overhead surfaces.
- Refer to current TCNA handbook for additional guidelines.

ECB Short Form Specifications

Anti-Fracture/Crack-Suppression Membrane

1. **Material:** Provide ECB elastomeric membrane as manufactured by National Applied Construction Products, Inc., 3200 S. Main St., Akron, OH 44319, (800) 633-4622, www.NACproducts.com, or Architect approved equal.

- I. 40 mil thick load bearing membrane, capable of 3/8" crack suppression
- II. Self bonding, pressure sensitive sheet
- III. Compatible with most latex modified thinset mortars, epoxies and adhesives.

Provide NAC TAC Primer for interiors or NS97 Primer for exteriors/wet areas. Full floor coverage or 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, hook or razor knife.

3. **Warranty:** National Applied Construction Products, Inc. Lifetime Fracture-Free Performance Warranty in writing for full floor coverage projects or Lifetime Limited Material Warranty for strip applications.

Warranty Information: National Applied Construction Products, Inc. offers two warranties on its sheet-applied systems: a Lifetime Limited Material Warranty for strip applications and a Lifetime Fracture-Free Performance Warranty for full floor coverage. Please contact Customer Service for details at 800.633.4622 or download the complete warranty statements, registration and claim forms at www.NACproducts.com.

Economy Product: ECB 75 is an economical alternative to original ECB. Engineered to bring reliable crack isolation to even the most aggressively-priced projects, ECB 75 is a "no frills" solution packaged in 3' x 75' Rolls (225 Square Feet) to trim packaging, storage and shipping costs. This high performance, extra heavy duty membrane is rated for commercial and heavy duty use, meets ANSI A118.12, resists MVT, retards mold growth and can be installed over existing floors while protecting against subfloor hazards such as radon gas and mold. ECB 75 is backed by a 2 Year Fracture-Free Performance Warranty and will protect against up to 1/4" lateral substrate movement. For installation instructions, refer to "Install ECB Anti-Fracture Membrane".

NOTES: _____

Technical Data • ECB Anti-Fracture Membrane

Thickness: 40 mil, ± 5 mil
Seams: Butt joint application
Roll Sizes & Weights: 1' (305 mm) x 50' (15.24 m) @ 17 lb (7.7 kg)
 2' (610 mm) x 50' (15.24 m) @ 34 lb (15.5 kg)
 3' (915 mm) x 50' (15.24 m) @ 50 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 & Strataflex.

