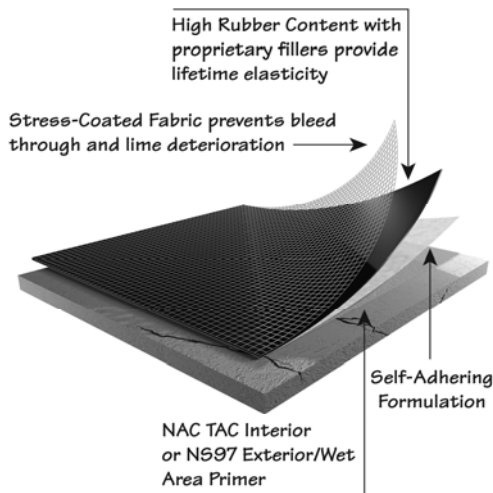


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IMPORTANT: Proper installation of this Membrane System requires use of the appropriate Primers and Companion Products. Read and understand Install, Product Data (PDS) and Material Safety Data (MSDS) Sheets for all products prior to installation.



Advanced Crack Isolation with MVT Resistance

ECB™ Membrane system 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 system is designed for use under floor surfaces that require protection from structural movement and will protect against Moisture Vapor Transmission (MVT) 10#/1000SF/24HRS when used with NAC TAC or NS97 Primer or 3#/1000SF/24HRS when used with NAC TAC II Primer. The membrane adheres permanently to the substrate, remains flexible and is guaranteed for a lifetime of use.

ECB™ Membrane system substantially reduces reflective cracking and delamination between the substrate and floor surface. Full floor coverage with 36" ECB™ Membrane 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™ Membrane'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 NAC Membrane Systems (see page 2 for more information).

ECB™ 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
- 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 when used with NAC TAC and NS97 Primer or 3#/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-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 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™ Membrane; 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™ Membrane Short Form Specifications

Anti-Fracture/Crack-Suppression Membrane

1. **Material:** Provide ECB™ Anti-Fracture Membrane 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, NAC TAC II or NS97 (see below for more information). 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. offers a wide range of Performance and Materials Warranties. Please contact Customer Service for details at 800.633.4622 or visit www.NACproducts.com for more information on warranties.

Technical Data • ECB™ Anti-Fracture Membrane System

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
Impact Insulation Class	65	ASTM E 492-04
Sound Transmission Class	67	ASTM E 90-04

* 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™ Anti-Fracture Membrane & Strataflex.

For full test results, please contact NAC Corporate Office.



PRIMER REFERENCE CHART

	INTERIOR APPLICATION			EXTERIOR APPLICATION			
	Below Grade	On Grade	Above Grade	Below Grade	On Grade	Above Grade	Exposed to Elements
NAC TAC	X	X	X		X	X	
NAC TAC II		X	X				
NS97				X	X	X	X

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

NOTES: _____

