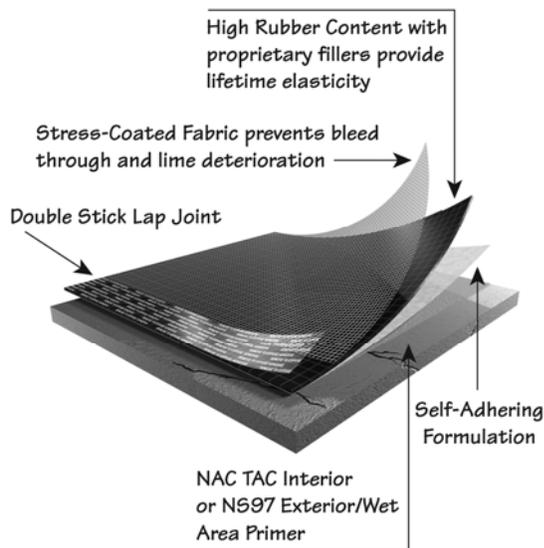


National Applied Construction Products, Inc. • 800.633.4622 • Fax: 330.644.3557 • www.NACproducts.com

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 Waterproofing with Crack Isolation Technology

Strataflex is a high strength, self-bonding, elastomeric sheet applied membrane. It consists of a base layer of polymer modified elastomers permanently laminated to a unique "stress flex" fiber sheet with a double stick lap joint. This combination forms a single 40 mil (1/16") waterproofing and crack isolation membrane that is easily applied interior or exterior. Strataflex Membrane is designed for use under floor surfaces that require protection from water penetration, structural and thermal movement, and Moisture Vapor Transmission 10#/1000SF/24HRS when used with NAC TAC or NS97 Primer or 3#/1000SF/24HRS when used with NAC TAC II Primer.

How It Works

The double stick lap joints form a continuous, impervious water barrier. 6" Seam and Corner Tape may be used at floor to wall, wall to wall, wall to ceiling joints, at drains and protrusions. An NAC Products approved caulk is used at all perimeters or cut areas. Strataflex Membrane adheres to the substrate and is capable of withstanding extreme climates without drying out or cracking while creating a new surface to accommodate A118.4 or better latex mortars, organic adhesives and epoxy setting materials. **Once applied, floor tile can be installed immediately, minimizing down time and labor costs.**

Strataflex protects tile from up to 3/8" movement in the substrate while waterproofing underlying or adjacent building structures. NAC TAC, NAC TAC II or NS97 Primers are necessary components of NAC Membrane Systems (see page 2 for more information).

Strataflex Features and Benefits

- Double stick lap joint for easy application
- Protects against reflective cracking and delamination
- Suitable for interior and exterior use
- Reduces live and dead load failures
- Safely covers asbestos flooring and provides an effective barrier against radon and mold
- 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, self-seaming and self-healing formula
- Tile can be installed the same day as membrane
- Serves as a waterproof/vapor barrier
- 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 requiring integrated waterproofing such as food courts, restaurants, balconies, decks, commercial kitchens, showers, lavatories, parking decks, laundry rooms, and other areas needing above grade water protection. Also ideal for use under 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 Strataflex; check with manufacturer.
- A pull test is required before applying tile to vertical or overhead surfaces.
- Refer to current TCNA handbook for additional guidelines.

Strataflex Short Form Specifications

Waterproofing/Crack-Suppression Membrane

1. **Material:** Provide Strataflex 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. Waterproofing, self bonding, pressure sensitive sheet
- III. Compatible with most latex modified thinset mortars, epoxies and adhesives.

Provide NAC TAC, NAC TAC or NS97 Primer (see below for more information). Full floor coverage will require the use of 2" double stick lap joint or use of 6" seam tape where applicable as recommended by manufacturer.

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

Technical Data • Strataflex Waterproofing Membrane

Thickness:	40 mil, ± 5 mil
Seams:	Double stick lap joint
Roll Sizes & Weights:	3' (914 mm) x 50' (15 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 Bridging	3/8" (9.5 mm)	NAC Model
Shear/Bond	Pass	A118.1-12
Impact Resistance	Pass*	Mil-D-3134J
System Performance	Extra Heavy Duty	ASTM C-627
Waterproofing	Pass	A118.10

* 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.



TCNA Approved Applications for NAC Sheet Applied Membrane Systems¹

Floors Exterior

Patios & Walkways

- Cement Mortar, Bonded... F 101-09
- Dry-Set Mortar or Latex-Portland Cement Mortar...F 102-09

Roof Deck, Membrane

- Cement Mortar.....F 103-09

Balcony Deck

- Thin-Set.....F 104-09

Floors Interior

Concrete Subfloor

- Poured Gypsum Underlayment, Bonded.....F 200-09

Waterproof Membrane

- Cement Mortar Bed..... F 121 - 09
- Thin-Set.....F 122- 09

Crack Isolation Membrane

- Partial Coverage F 125 - 09
- Full Coverage..... F 125A-09

Radiant Heat on Wood

- Hydronic System..... RH110- 09
- Poured Gypsum Underlayment, Hydronic System, Thin-set RH111- 09

Wood Subfloor

- Membrane System, 24" o.c. Joint Spacing Latex-Portland Cement MortarF 152- 09
- Poured Gypsum Underlayment, 16" o.c. Joint Spacing..... F 180- 09

Bathtub/Shower Walls

Wood or Metal Studs

- Cement Mortar.....B 411- 09
- Cementitious Backer Unit/Fiber Cement Underlayment.....B412- 09
- Coated Glass Mat Water-Resistant Gypsum Backer Board.....B420- 09

Shower Receptor

Wood or Metal Studs

- Cementitious-Coated Foam Back Board.....B426- 09
- Solid Backing Thin-Set Method.....B421- 09
- Solid Backing w/ Integrated Bonding Flange for Bonded Waterproof Membrane.....B422- 09

Shower Receptor Renovation

- Cement Mortar.....TR418- 09
- Thin-Set..... TR420- 09

Countertops

Wood Base

- Cement Mortar..... C 511- 09
- Backer Board..... C 513- 09

Tile, Tubs, Fountains & Curbs

Waterproof Membrane

- Cement MortarB 417- 09

Steam Rooms

Membrane

- Cement Mortar.....SR 613- 09
- Thin-Set..... SR 614- 09

¹ Reference 2009 TCA Handbook for Ceramic Tile Installations

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.