

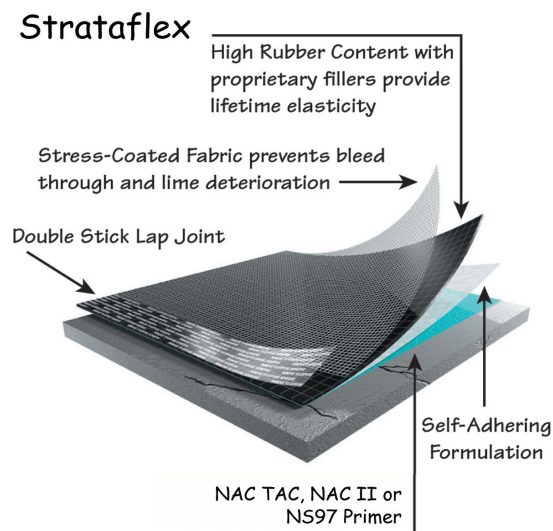
# Strataflex®

## Waterproofing Membrane

### PRODUCT OVERVIEW

Strataflex® is a high strength, self-bonding, elastomeric sheet applied membrane and is designed for use under floor surfaces that require protection from water penetration.

The 40 mil (1/16") thick waterproofing membrane consists of a base layer of polymer modified elastomers permanently laminated to a unique "stress flex" fiber sheet with a 2" double stick lap joint to create a water-tight seal.



Strataflex® substantially reduces reflective cracking and delamination between the substrate and floor surface 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.

Strataflex® utilizes 2" double stick lap joints to form a continuous, impervious water barrier that provides long lasting waterproof protection. It also resists Moisture Vapor Transmission up to 10#/1000SF/24 hours when used with NAC TAC or NS97 primer and 7#/1000SF/24 hours with NAC TAC II primer. At perimeters or cut areas an NAC approved polyurethane sealant may be used and 6" Seam Tape may be used at floor to wall, wall to wall, wall to ceiling joints, at drains and protrusions.

### FEATURES & BENEFITS

- 2" double stick lap joint for easy application
- Serves as a waterproof/MVT barrier and 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
- Tile can be installed the same day as membrane
- Works with radiant-heat and tile warming systems

### INSTALLATION

Strataflex® is designed for use under a variety of floor surfaces, such as stone, ceramic and porcelain tile, marble, slate, granite tile, pavers, brick, wood, commercial grade vinyl tile and other finished floors, that require protection from water penetration, structural and thermal movement and MVT.

### WOOD & VINYL

Due to the nature of the overlap joint on Strataflex® membrane, the overlap joint may transfer through the finished VCT. We recommend using ECB® Classic membrane in these applications.

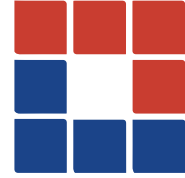
If additional sealing is desired, apply SubSeal® Liquid Waterproofing Membrane over seams. When installing wood or VCT over membrane, a solvent free or urethane glue/adhesive must be used. Follow general membrane installation instructions.

### 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 & porcelain tile, stone, terrazzo, VCT/VAT, metal, painted and sealed floors and floors damaged by dry shrinkage and structural movement.



- 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 Strataflex Membrane; check with board manufacturer.
- Not recommended for vertical or overhead surfaces.
- Refer to current TCNA handbook for additional guidelines.

### SHORT FORM SPECIFICATIONS

1. **Material:** Provide Strataflex<sup>®</sup> Waterproofing Membrane

as manufactured by:  
 NAC Products, Inc.  
 3200 S. Main St. Akron, OH 44319  
 (800) 633-4622 - [www.NACproducts.com](http://www.NACproducts.com)  
 or an architect approved equal.

- 40 mil thick load bearing membrane, capable of 3/8" crack isolation protection.
- Waterproofing 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 will require the use 2" double stick lap joint or use of 6" seam tape where applicable 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 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

#### Strataflex<sup>®</sup> Waterproofing Membrane

**Thickness:** 40 mil, ± 5 mil (< 1/16")  
**Seams:** Double stick lap joint application

**Roll Size & Weight:**

3' (915 mm) x 50' (15.24 m) @ 52 lb (22.7 kg)

**Shelf Life:** 1 year  
**Freeze Thaw:** Stable

Property	Test Value	Test Method
FHA 4900.1	Pass, 3' Head	ASTM D-583
Crack Resistance	3/8"	NAC Model
Load Bearing, Bonded Waterproof Membrane	Pass	ANSI A118.10
Shear/Bond	Pass	A118.12
System Performance	Extra Heavy Duty	ASTM C-627
Impact Resistance	Pass*	Mil-D-3134J

\*Modified for ceramic tile. 2lb. (.91 kg) ball dropped 8' (2.44 m) on an 8" x 8" (203 mm) porcelain tile bonded to Strataflex<sup>®</sup>

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

#### 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				√	√	√

For complete information about primers, refer to the Primer PDS



National Applied Construction Products, Inc.

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