

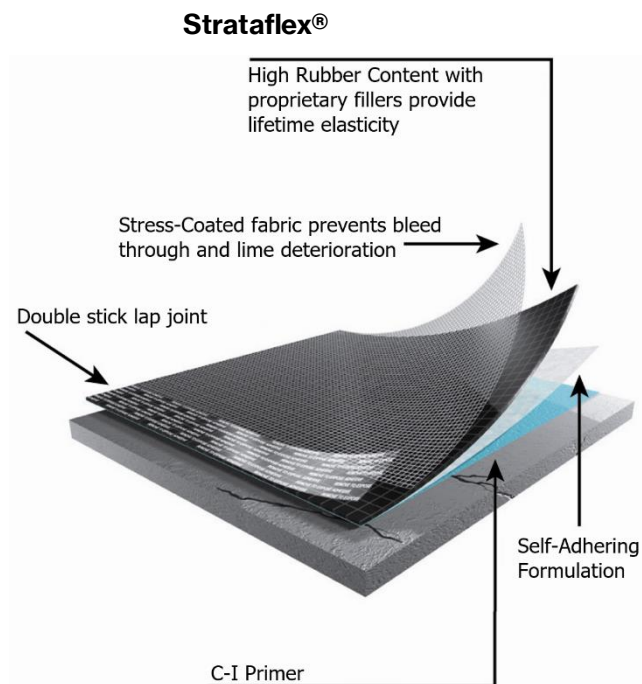
# Strataflex® Waterproofing Membrane

## Product Data Sheet

### PRODUCT OVERVIEW

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” fibre sheet with a double stick lap joint to create a water-tight seal.

This combination forms a single 1mm 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 Vapour Transmission 10#/1000SF/24HRS when used with C-I Primer



Strataflex® substantially reduces reflective cracking and delamination between the substrate and floor surface. Full floor coverage with Strataflex® will provide crack isolation protection for up to 10mm per lineal meter lateral substrate movement. The peel-and-stick membrane must be applied with C-I Solvent Based Primer and as soon as it is positioned, flooring can be installed immediately, minimizing down time and labour cost.

### FEATURES & BENEFITS

- Lifetime warranty
- 50mm lap joints create an impenetrable watertight seal
- Quick drying - flood test within 24 hours.
- 10mm lateral movement crack protection
- Suitable for exterior and interior applications
- Peel and stick, tile over instantly!
- Eliminates control/cold joints entirely.
- Full floor soft joint coverage. Seamless finishes!
- Rigorously tested and compliant to all applicable Australian standards
- Zero VOCs
- Ceramic tile underlay not required
- Compatible with under-floor heating 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 IsoSeal® 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

Strataflex® may be installed over a variety of substrates:

**Concrete:** Poured, pre-stressed, post-tensioned and pre-cast concrete, cement sheet, screeds, plasterboard, lightweight concrete, leveling and patching compounds.

**Wood:** Structural and marine plywood, hardwood, tongue and groove. (Gap between sheeting as required in accordance to manufacturers recommendations)

**Other Substrates:** Existing and structurally sound installations of ceramic or porcelain tile, stone, terrazzo, VCT/VAT, metal, radiant-heated, painted and sealed floors and floors damaged by shrinkage and structural movement.

- 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 Classic; check with manufacturer.
- Not recommended for vertical or overhead applications.
- A bond test is required

## SHORT FORM SPECIFICATIONS

1. **Material:** Provide Strataflex Waterproofing Membrane as manufactured by: NAC Products, Inc. & Supplied by Crack Isolation Pty Ltd.
  - a. 1mm thick load bearing membrane, capable of 10mm lateral movement per lineal metre crack isolation protection.
  - b. Waterproofing Self-bonding, pressure sensitive sheet.
  - c. Compatible with most latex modified thinset mortars, epoxies and adhesives.

Provide C-I Solvent Based Primer. Full floor coverage will require the use of 50mm double stick lap joint or use of 150mm seam tape where applicable as recommended by manufacturer.

2. **Equipment:** Damp mop, industrial vacuum, chalk/laser line, 230-290mm roller or flat trowel applying 50 lbs. of pressure/sq. inch, paint roller applicator or brush, utility knife.
3. **Warranty:** Crack Isolation Pty Ltd offers limited and lifetime performance and materials warranties. Please contact customer service at [info@crackisolation.com.au](mailto:info@crackisolation.com.au) for more information.

## TECHNICAL DATA

### Strataflex® Waterproofing Membrane

**Thickness:** 1mm ± 0.27mm

**Seams:** Double stick lap joint application

**Roll Size & Weight:** 915mm x 15.24 mtrs @ 23.5 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. 2 lb. (.91 kg) ball dropped 8' (2.44 m) on an 8" x 8" (203 mm) porcelain tile bonded to Strataflex® Anti-Fracture Membrane.

For full test results, please contact Crack Isolation Pty Ltd at [info@crackisolation.com.au](mailto:info@crackisolation.com.au)



**Crack Isolation Pty Ltd**  
[www.crackisolation.com.au](http://www.crackisolation.com.au)