

# Extreme Deck Waterproofing System

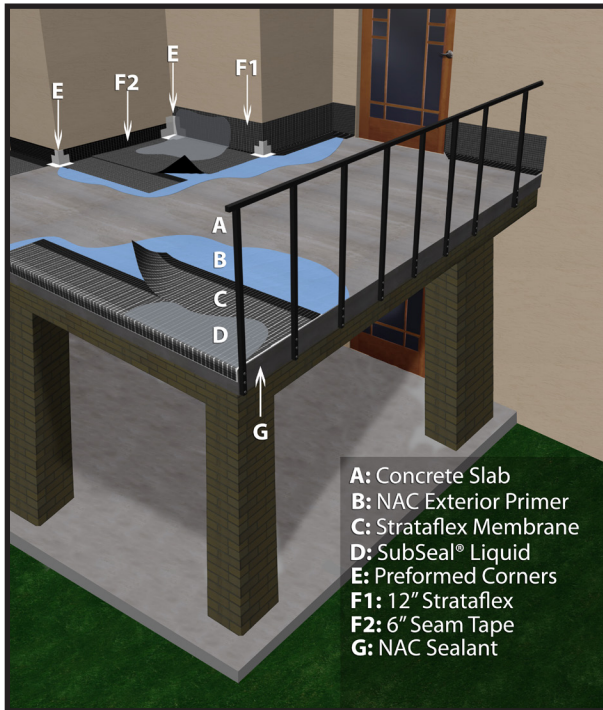
Strataflex® Sheet/SubSeal® Liquid Membranes

## PRODUCT OVERVIEW

The Extreme Deck Waterproofing System combines Strataflex sheet membrane with SubSeal liquid membrane to provide a durable, double layered waterproofing system that accepts a variety of decorative hard surface flooring materials.

The Extreme Deck Waterproofing System is designed for use over exterior decks with a concrete or wood substrate. A variety of finished floor surfaces may be installed, 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.

The deck must be properly sloped toward the drain or the drip edge, where the slope is a minimum of 1/4" per foot. (See current edition of the TCNA Handbook method F103 and/or F104 for additional guidelines prior to installation.)



**A:** Concrete Slab  
**B:** NAC Exterior Primer  
**C:** Strataflex Membrane  
**D:** SubSeal® Liquid  
**E:** Preformed Corners  
**F1:** 12" Strataflex  
**F2:** 6" Seam Tape  
**G:** NAC Sealant

## FEATURES & BENEFITS

- Creates a double layer for superior waterproofing protection
- Thin, low profile system is a perfect solution for low threshold applications
- Ideal for exterior decks located above living spaces
- Same day tile installation
- Exceeds ANSI A118.10 and ANSI A118.12
- Simple, convenient installation

## INSTALLATION

The Extreme Deck Waterproofing System incorporates 6" Seam Tape at the floor-to-wall joint and then overlaps Strataflex over the Seam Tape on the floor. Pre-formed fabric corners are installed using the SubSeal liquid. The corner is treated with a thin coat of SubSeal, the fabric is then embedded into the wet SubSeal and finished off with another thin coat of SubSeal. The Strataflex is then coated with SubSeal and all end seams and termination points are treated with a polyurethane sealant and allowed to fully cure, prior to the finished floor installation.

*(Please see the Extreme Deck Installation Instructions for complete installation details.)*

## SUITABLE SUBSTRATES

Surfaces must be level, structurally sound and meet L/360 for ceramic and porcelain tile or L/720 for stone tile on live or dead loads. Maximum variation of 1/4" in 10' from the required plane.

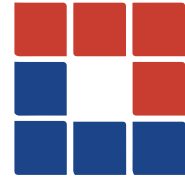
- Concrete: commercial & residential cement, pre-stressed and pre-cast concrete, backer board, mud beds, gypsum, lightweight concrete and patching compounds.
- Wood: Plywood, APA-rated sheathing, Sturd-I-Floor, hardwood, tongue and groove and OSB with standard face (gap between sheathing as required). Wood joist spacing should be no more than 16" on center and a double sub floor of at least 5/8" per sheet.
- Existing Substrates: Ceramic and porcelain tile, stone, terrazzo, VCT/VAT, metal, radiant heat, painted and sealed floors and floors damaged by dry shrinkage and structural movement. Substrate must be structurally sound.
- Concrete Block: When applying to concrete block, a cementitious parge coat is required. Allow to cure before installing membrane.
- Highly porous surfaces, such as mortar beds, gypsum/gypcrete, leveling and patching compounds can be treated with Moisture Lock 101, prior to membrane installation.
- For moisture issues, conduct an RH (relative humidity) test for emissions. If MVT is in excess of 3#/1000SF/24HRS or has an RH greater than 85%, call NAC for instructions. Moisture Lock 101 may be installed in one or two coats to reduce MVT levels.
- Substrates must be dry, well adhered, and clean of wax, petroleum sealers, dirt, grease, oil or other bond breakers.
- Refer to the PDS and Installation Instructions for Strataflex and SubSeal for additional guidance on capabilities and installation.

## TECHNICAL DATA

**Strataflex® 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

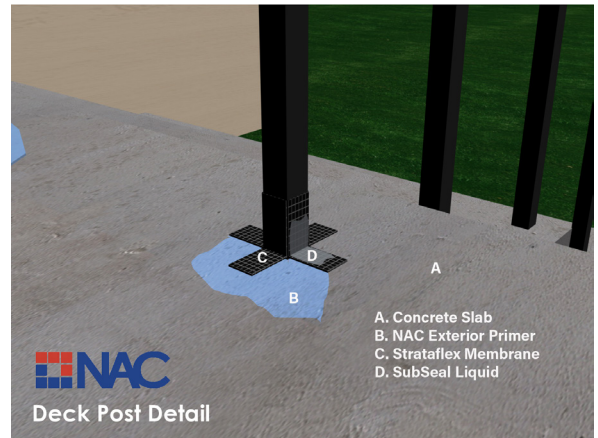
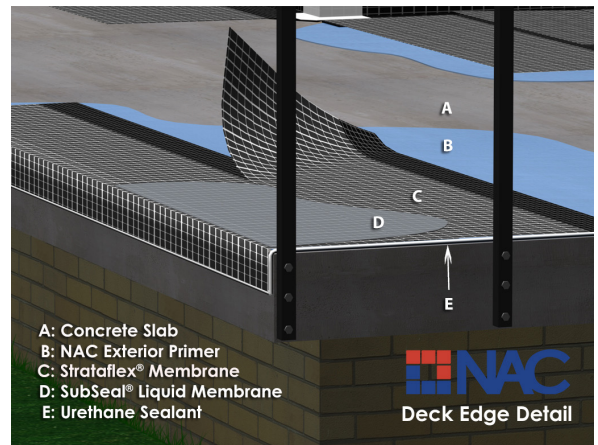
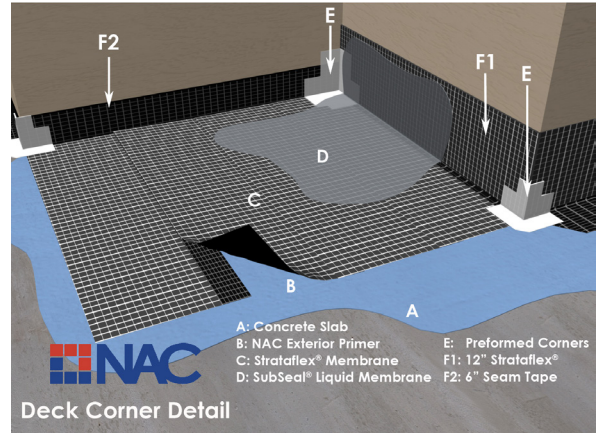
**SubSeal® Liquid Waterproofing Membrane**

**Sizes & Weights:** 1gal 4gal/ctn @ 40lb total wt.  
5gal 5gal/pail @ 48lb total wt.

**Shelf Life:** 1 year

**Freeze/Thaw:** Product must be protected from freezing

Property	Test Value	Test Method
Mold Growth	Pass	ANSI A118.10
Seam Strength	Pass	ANSI A118.10
Breaking Strength	Pass	ANSI A118.10
Dimensional Stability	Pass	ANSI A118.10
Waterproofness	Pass	ANSI A118.10
7-Day Shear Strength	Pass	ANSI A118.10
7-Day Water Immersion Shear Strength	Pass	ANSI A118.10
4-Week Shear Strength	Pass	ANSI A118.10
12-Week Shear Strength	Pass	ANSI A118.10
100-Day Water Immersion Shear Strength	Pass	ANSI A118.10
Stability in Storage	Pass	ANSI A136.10
Shear Strength Room Temperature	Pass	ANSI A136.10
Shear Strength Wet Type 11	Pass	ANSI A136.10
Shear Strength 28 Days	Pass	ANSI A136.10
Accelerated Aging	Pass	ANSI A136.10
Heat Resistance	Pass	ANSI A136.10
Stain Test	Pass	ANSI A136.10
Test for Mold Growth	Pass	ANSI A136.10



See individual product labels, SDS and installation sheets for additional instructions on use, storage and disposal. Visit [www.NACproducts.com](http://www.NACproducts.com) or contact NAC at 800-633-4622 with questions and for additional information.



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