



# PEEL & STICK

## Skellerup Viking Peel & Stick Self-Adhesive Sheet Membrane Waterproofing System

### Product Information

#### Description

The Peel and Stick Sheet Membrane Waterproofing System consists of a 1.5mm thick rubberised asphalt membrane which is laminated to high density 0.1mm polyethelene film on the face and has a siliconised release sheet on the adhesive side. The sheet membrane is available in 914mm wide rolls. Other membrane thicknesses and configurations are available by special order. The system offers a variety of primers featuring both solvent based and water based formulas. The system provides non-sag mastic for sealing terminations of the sheet membrane. The factory-controlled thickness assures uniform thickness on the job while the inherent waterproofing properties of the rubberised asphalt and the polyethelene film provide an excellent water barrier.

#### Typical Use

The Peel and Stick Sheet Membrane Waterproofing System is suitable for a wide variety of applications such as waterproofing of below ground foundation walls, earth shelters and tunnels. The system is also suited for waterproofing between the structural slab and wearing course on parking decks, plaza decks, mud slabs, terraces, balconies, equipment rooms, kitchens, bathrooms and laboratories.

#### Limitations

- Not recommended in areas where membrane will be subject to continuous exposure to sunlight.
- Do not apply primer or membrane to frozen concrete. Optimum results are obtained when membrane is installed at temperatures above 5°C.
- Do not apply primer or membrane to a damp, frosty or contaminated surface.
- Not recommended as a pond or tank liner except for “between slab” applications.
- Not recommended for use over sealants containing coal tar or polysulfides. In the event of existing bitumen modified materials, consult your Skellerup Viking Representative.

#### Applicable Standards

Peel and Stick meets the applicable requirements of:

- GSA: PBS PCD 07121
- USN: NAVFAC TS-07111
- VA: H-08-1
- Federal Construction Guide Specs: FCGS-07111
- Corps of Engineers: CEGS-07111-3-82
- UL 790: Class A

#### Packaging

- Peel and Stick: 914mm x 20.4mm (18.65m<sup>2</sup>) - 25 rolls per pallet (465m<sup>2</sup>).
- Weight: 37 kg per roll approx.

## Technical Data

Property	Test Method	Results
Tensile	D 412 (C) Mod.	300 psi
Elongation*	D 412 (C) Mod.	300% (Min)
Permeance	E 96 (B)	0.5 perms
Low Temp. Flexibility	D 1970	Unaffected @ -45°F
Crack Cycling (100 cycles)	C 836	Unaffected @ -25°F
Peel Strength	D 903	7.5 lb/in width (min)
Lap Adhesion	D 1876 Mod.	7.0 lb/in width
Puncture Resistance	E 154	40 lb (min)
Exposure to Fungi	GSA-PBS 07115	16 wks, no effect
H2O Absorption	D 570	0.1% by wt (max)
Hydrostatic Head	D 5385	231 ft (min)

\* % of elongation to ultimate failure of rubberised asphalt membrane

## Installation

### Surface Preparation

Concrete shall be in place for seven days (minimum) after forms are removed and must be dry. Surface shall have a smooth finish (broom finish is not acceptable) and be free of voids, sharp protrusions and form release agents. Curing agents must be approved by Skellerup Viking. Remove forms as quickly as possible. When metal decking is used for forms, it must be vented.

Fill holes or voids with non-shrink grout. Grind or scrape protrusions and outside corner edges. Block or brick walls shall have mortar joints struck flush. A parget coat may be required for very rough surfaces.

Saw cut cracks greater than 1.5mm wide to 6.4mm x 6.4mm. Clean saw cuts and expansion joints less than 25mm wide (contact Skellerup Viking representative regarding primer). Install backer rod into expansion joint, fill joints and cracks with approved sealant. Tool sealant flush and allow to cure overnight.

Install a 25mm fillet in all inside corners. Fillet may be formed with a non-shrink grout or approved sealant.

Apply primer and allow to dry. Apply Peel and Stick Membrane: 200mm wide over sealed cracks, joints, hairline cracks and cold joints; 300mm wide centered on axis of corners.

### Application on Horizontal Surfaces

Apply Peel and Stick Sheet from low to high point so that laps will shed water. Overlap edge seams 65mm, end seams 100mm and staggered. Snap a chalk line for a starting point. Pull 600mm of release paper and place adhesive side of membrane along chalk line. As the roll is dispensed, simultaneously roll the release paper and maintain alignment along the chalk line. Immediately after installation, roll sheet with a metal roller wrapped with a resilient material. Roller should be 457 - 610mm wide and weigh at least 50 kg.

### Application On Vertical Surfaces

Apply Peel and Stick Sheet Membrane in lengths of 2.4m or less. Overlap edge seams 65mm. On walls above 2.4m apply in 2.4m sections, starting at the lowest point with the higher section overlapping the lower section 1.2m. Use a suitable roller to press membrane firmly against wall.

### Terminations

Peel and Stick Sheet Membrane should be installed over the top of a wall or over the edge of a slab. If the membrane must terminate on a vertical surface, use a reglet, termination bar or counter flashing. Roll terminating edge firmly.

Peel and Stick Sheet Membrane shall be installed on the base of the foundation wall, over the edge of the footing and the terminating edge pressed firmly against the vertical surface of the footing.

Apply Mastic Sealant to all vertical and horizontal terminations. Apply to raps at angle changes, extending 230mm in each direction.

Note: failure to use adequate pressure at terminating edges will result in a poor seal and potential leak. The use of sealant is not a substitute for a good seal.

### Repairs

Inspect all membrane for tears, punctures, fishmouths, air bubbles or voids due to misalignment at seams. Slit fishmouths and overlap the edges. Remove damaged membrane. Prime exposed concrete and allow primer to dry. Apply Peel and Stick Sheet over damaged area, extending onto sound membrane 150mm on all sides. Firmly press and roll repair section to ensure a good seal. Apply Skellerup Viking Sealant to terminating edges of patch.

### Protection

Peel and Stick Sheet Membrane must be protected from damage by future operations and other trades. The applicator shall install suitable protection course material to protect the membrane.

Install protection course on vertical walls immediately after installation of the Peel and Stick Sheet Membrane. Install protection course on horizontal application immediately following flood test. If flood test is delayed, install a temporary covering to protect membrane from damage by other trades.

### Flood Test

Plug drains and provide necessary barriers to contain flood water. Flood deck with a 25mm head of water and allow to stand for 24 hours. Check for leaks and immediately make repairs if required. Re-test after repairs have been made. Backfill as soon as possible after successful flood testing.

### Storage

Protect materials from excessive heat and cold. Store materials away from flames or sparks. Protect from rain, direct sunlight or harmful environmental conditions.