

## PHYSICAL PROPERTIES

## LIMITATIONS

| Property                    | Test Method    | Results         |  |
|-----------------------------|----------------|-----------------|--|
| Tensile                     | ASTM D 412 (C) | 250 pal         | <p>Not recommended in areas where membrane will be subjected to continuous exposure to sunlight.</p> <p>Do not apply primer or membrane to frozen concrete. Optimum results are obtained when membrane is installed at temperatures above -1°C and below 32°C.</p> <p>Do not apply primer or membrane to a damp, frosty or contaminated surface.</p> <p>Not recommended as a pond or tank liner except for "between slab" applications.</p> <p>Not recommended for use over sealants containing coal tar. In the event of existing bitumen modified materials, consult the Skellerup Representative.</p> |
| Elongation                  | ASTM D 412 (C) | 350%            |  |
| WVT at 80°F                 | ASTM E 96 (B)  | 0.1 (max)*      |  |
| Pliability                  | ASTM D 145     | Passes @ -25°F  |  |
| Crack Cycling               | Note 1         | no affect       |  |
| Cycling over 25 mm jt.      | Note 1         | no effect       |  |
| Peel Adhesion (Dry)         | Note 2         | 7 lb./in. width |  |
| Peel Adhesion (Wet)         | Note 2         | 7 lb./in. width |  |
| Puncture Resistance:        |                |                 |  |
| Membrane                    | ASTM E 154     | 40 lb. (min)    |  |
| Film                        | ASTM D 781     | 250 in. oz.     |  |
| Burial (16 weeks)           | GSA-PBS 07111  | unaffected      |  |
| H <sup>2</sup> O Absorption | ASTM D 1228    | 0.15% by wt.    |  |
| Hydrostatic Head            |                | 150 ft. (min)   |  |
| *gr/sq.ft./hr./in./Hg       |                |                 |  |

## Get the Design/Specification Manual

### Do you have your free Skellerup Roofing & Waterproofing Manual? Is it up to date?

This manual is distributed free of charge to all architectural practices, building consultants and engineers.

To receive the latest updates for your Skellerup Roofing and Waterproofing Manual, receive your copy of the manual, or have a Skellerup technical advisor call and discuss how you can meet your client's needs with Skellerup Peel & Stick – contact the nearest office listed.

More info on Skellerup Website, updated regularly. [www.skellerup.co.nz](http://www.skellerup.co.nz)



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# SKELLERUP

## Peel and Stick

*Cold Applied Peel & Stick membrane, self adhesive and self sealing for quick and easy installation.*

ISO 9001 Registered Supplier

## PRODUCT DESCRIPTION

Skellerup Peel & Stick Membrane Waterproofing System consists of a 1.5 mm thick rubberized asphalt membrane to which is laminated a heavy polyethylene film on the face and a siliconized, removable, release sheet on the adhesive side. The sheet membrane is available in 914mm wide rolls. The factory controlled thickness assures uniform thickness on the job, while the inherent waterproofing properties of the rubberized asphalt membrane and the polyethylene film provide the best possible water barrier.

### Applications

Skellerup Peel & Stick Membrane Waterproofing System is suitable for a wide variety of applications such as:

- Waterproofing of below grade 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, janitorial areas, laboratories and on spandrel beams.

### Features and Benefits

- Completely watertight
- Self adhesive and self sealing
- Resists hydrostatic pressure
- Quick installation
- Excellent adhesion to various substrates
- Cold applied
- Remains flexible in variety of temperatures
- Tough, puncture resistant

## INSTALLATION

### Step 1. Surface Preparation

Concrete shall be in place for 7 days (minimum) and shall 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 containing wax, oil or pigment must not be used. Remove forms as quickly, as possible.

Do not apply sheet membrane when forms are in place

on a horizontal deck unless forms are vented.

Fill holes or voids with a suitable patching compound. Grind or scrape all protrusions and outside corner edges. Block or brick walls shall

have mortar joints flush and shall have a well adhered parget coat.

Saw cut cracks greater than 1.59 mm wide to 6 mm x 6 mm. Clean saw cuts and expansion joints. Install backer rod into expansion joint, fill joints and cracks with a suitable sealant. Tool sealant flush with the surface and allow to cure.

Install a 25 mm fillet in all inside corners. Fillet may be formed with sealant.

Apply primer and allow to dry. Apply Peel & Stick Membrane: 150 mm wide over sealed cracks, joints, hairline cracks and cold joints; 300 mm wide centered on axis of corners. Install Peel & Stick Membrane around all projections and drains. Extend 150 mm on all sides and apply final sheet membrane over this flashing. Seal edges with mastic.

Apply primer and allow to dry.

Apply Peel & Stick Membrane: 150 mm wide over sealed cracks, joints, hairline cracks and cold joints; 300 mm wide centered on axis of corners.

Install Peel & Stick Membrane around all projections and drains. Extend 150 mm on all sides and apply final sheet membrane over this flashing. Seal edges with mastic.

### Step 2. Priming

Primer can be applied by brush, roller or sprayed at 5 sq m per litre, depending on the substrate and method of application. Allow at least 6 hours before applying membrane. After application, primer is extremely tacky and care must be taken when laying membrane to ensure correct positioning. Once membrane and primer meet adhesion takes place.

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## Step 3. Membrane Application

On horizontal surfaces:

Apply Peel & Stick Sheet Membrane from low to high point, in a shingle fashion so that laps will shed water. Overlap edge seams 65 mm. End seams shall be overlapped 125 mm and staggered. For a wrinkle-free application, snap a chalk line for a starting point. Pull 50 mm to 75 mm of release paper and place adhesive side of membrane along chalk line. As the roll is dispensed, simultaneously roll the release paper and maintain the proper alignment along the chalk line. Immediately after



installation, roll with a lawn roller or similar roller, wrapped with indoor/outdoor carpet.

**On vertical surfaces:**

Peel & Stick Sheet Membrane shall be installed in lengths of 2.4 m or less. Overlap edge seams 65 mm. On walls above 2.4 m, apply in 2.4 m sections, starting at the lowest point with the higher section overlapping the lower section 125 mm. Using heavy hand pressure, a stiff broom or a suitable roller, press membrane firmly against wall, using extra care and pressure at seams.

## Step 4. Termination

Peel & Stick Sheet Membrane should be installed over the top of a wall and over the edge of a slab. In the event the membrane must terminate on the vertical surface, use a chase or counter flashing. Press terminating edge firmly with a hammer handle or equal.



Apply mastic to all terminating edges.



Peel & 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 to the terminating edge. Apply mastic to all vertical and horizontal terminating edges.



## Step 5. Protection

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

Install protection course on vertical walls immediately after installation of the Peel & Stick Sheet Membrane. Install protection course on horizontal application immediately following flood test.



## Step 6. Flood test

Plug drains and provide necessary barriers to contain flood water. Flood deck with a 25 mm 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. If flood test is delayed, install a temporary covering to protect membrane from damage by other trades.

