

# SOLITEX<sup>®</sup> UM connect

## Application Instructions



Four-layer underlay with 3D separation layer and self-adhesive strip

Faster and safer construction of  
metal roofs, sheet wall cladding and wall shingles







1

### Preparing the sheathing/substrate

Remove all nails, screws, splinters etc. that could damage the membrane. Clean the sheathing with a rag or use a broom or vacuum to remove sawdust, dust etc. Make sure the area is free of silicones and grease.



2

### Measure and mark

Mark a levelled horizontal line up from the drip edge taking into account your desired overhang. Mark starting points for junctions (valleys/barges/dormers/walls).



3

### Roll out the first layer of membrane

Starting at premarked points, with 3D-mesh facing up. Stretch the membrane taut, without any wrinkles. Use product markings on the membrane to help ensure it is straight and parallel to markings. Leave at least 50mm overlap to transition junctions.



4

### Mechanical attachment of membrane

Use galvanised staples (T50) min. 10mm wide and 8mm legs every 100 - 150mm along the top of the membrane in the area that will be covered by the shiplap, ensure staples are above the connect zone for protection against leaks.



5

### Roll out next layer and overlap

The second layer is rolled out, straight and shiplapped. Ensure the 3D mesh does not cover the overlap. For ease of application you can use the edge of the mesh as a guide to creating the correct overlap and alignment.



6



### "Connect" the overlap

Ensure the overlap is dry and free of dust, silicones and grease. Check adhesion in case of doubt. Fold lapped membrane up, remove the release paper and press down firmly in sections along the entire joint. Ensure the joint is free of tension and creases.

... and the insulation is perfect!

## SYSTEM

## Exterior membranes

## Roof and wall

**Pressurise the adhesive joint**

Make sure to pressurise the joint firmly. The amount of pressure applied will determine the ultimate strength of the bond, not the duration of the pressure.

**Vertical butt joint: remove 3D mesh**

Pull back approximately 100mm of the 3d mesh.

**Vertical butt joint: cut 3d mesh**

Cut off approximately 40-50 mm of 3d mesh. Put lower membrane down and staple in the overlap area.

**Horizontal joint: ridge**

Cut off the membrane & mesh on opposite side of the ridge at overlap marker of the membrane on other pitch. Release 100mm of 3D mesh of upper membrane. Remove connect release paper on lower membrane, staple down upper shiplapped membrane less than 15mm from edge.

**Tape joint of overlap**

Fold released part of 3d mesh back and apply TESCON EXTORA centred on the overlap, working in sections. Cover all staples with tape. Use pro clima PRESSFIX to pressurise the tape effectively. PRESSFIX will save you time and protect your hands.

**Valleys**

Apply an continuous layer of SOLITEX MENTO or UM (with mesh removed) in the centre of the valley. Fold the edges of the membrane back on to itself 75mm and staple sparingly at 150mm spacings. No other staples should be used in valleys. If required DUPLEX can be used to secure the bottom of membranes in the valley area.







12

### Gutter/drip edge – other interruptions

Use DUPLEX double-sided tape or TESCON EXTORA to connect the membrane to the drip edge. Use TESCON EXTORA at all vertical interruptions (dormers, walls etc).

Use other pro clima system products at pipes (ROFLEX), skylights (TESCON EXTORA PROFIL), etc.

### Recommendations and requirements

- SOLITEX UM should be laid with the 3D mesh/ printed side facing up.
- SOLITEX UM can be applied in horizontal or vertical orientation over solid sheathing (OSB, plywood, woodfibre boards, exterior gypsum) as roof underlayment or weather resistive barrier (WRB).
- If SOLITEX UM is used below 10° the horizontal application is required. Stapling/mechanical fastening should not be made in areas where water/condensate run off is concentrated (valleys, crickets, etc).



13

### Applying tray roofing / wall cladding / shingles

Quality assurance: check all membrane joints and connections have been taped and sealed, the roofing/ cladding of walls can be installed.

In the case of nail/screw fixings penetrating the SOLITEX UM use the nail sealing tape TESCON NAIDECK to safely protect these holes. For example, under standing seam clips.



#### TESCON EXTORA

Multi-purpose adhesive tape for windproof and weathertight sealing of roof underlays, wall underlays and other weathertightness layers.



#### TESCON NAIDECK

Double sided butyl nail/screw sealing tape, that seals through the membrane for additional waterproof connection.



#### DUPLEX

Double sided acrylic PSA tape for fixing overlaps, vertical butt joints, connections and valley sections.

For all enquiries, please contact:  
Pro Clima Australia Pty Ltd  
Email: [welcome@proclima.com.au](mailto:welcome@proclima.com.au)  
Freephone: 1800 PRO CLIMA (776 254)  
Web: [www.proclima.com.au](http://www.proclima.com.au)