Installation instructions

SOLITEX MENTO® 3000

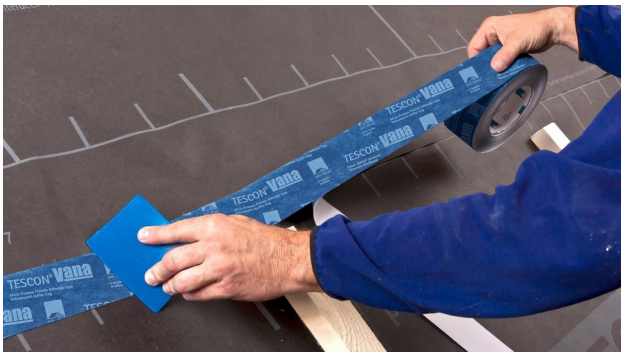
Installation steps

1. Install the membrane

Roll out the membrane parallel to the eave and use galvanised staples that are at least 10 mm wide by 8 mm long to fasten the membrane in the overlap area in a manner that protects against moisture entry. Install the membrane leaving an additional 4 cm overlap at adjacent building structures so that an airtight bond can be applied here subsequently.

2. Overlap the membranes

Allow for an overlap of approx. 10 cm between the membranes. The marking that is printed onto the membrane will serve as a guide here.



3. Tape the overlap

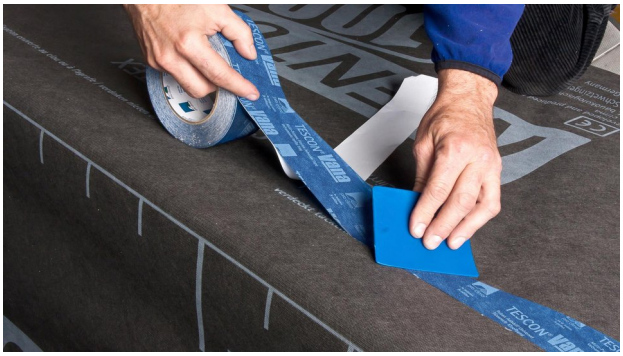
Clean the subsurface (dry and free of dust, silicone and grease) before taping; carry out an adhesion test, if necessary.
Centre the TESCON VANA system adhesive tape on the overlap and gradually stick it in place, ensuring that there are no folds or tension. Rub the tape firmly using the pro clima PRESSFIX to secure the adhesive bond. Ensure that there is sufficient resistance pressure.

4a. 'connect' adhesion

Sticking of membrane overlaps using 'connect' membranes with two integrated self-adhesive strips.

4b. 'connect' adhesion

Rub the resultant adhesive joint firmly using the pro clima PRESSFIX to secure the adhesive bond. Ensure that there is sufficient resistance pressure.

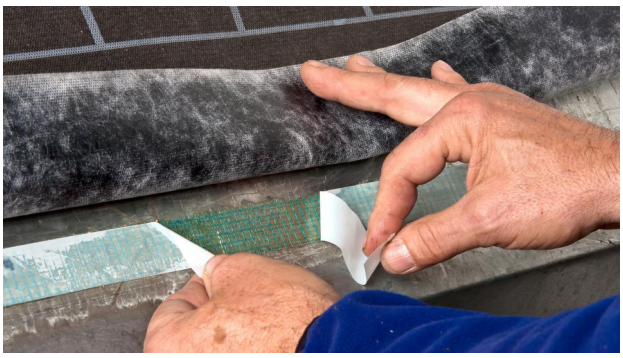


5a. Ridge / hip formation

In the case of fully insulated cross sections, place membranes over the ridge/hip and attach in place using staples in the area of the counter batten. Overlap relative to the membrane underneath of at least 10–15 cm.

5b. Ridge / hip formation

Then stick in an airtight manner using the TESCON VANA system adhesive tape. Alternatively, stick a wide strip of TESCON VANA onto the ridge. Rub the tape firmly using the pro clima PRESSFIX to secure the adhesive bond. Ensure that there is sufficient resistance pressure.



6. Sealing at eaves

Position the membrane on the eave flashing or eave strip and stick in place using the integrated self-adhesive strip (for 'connect' membranes), double-sided DUPLEX adhesive tape or single-sided TESCON VANA system adhesive tape, ensuring that there are no folds or creases.

7a. Sealing to rough or mineral subsurfaces

First create a smooth finish on rough wall caps. Clean the subsurface. Apply a line of ORCON F adhesive sealant with a thickness of at least 5 mm (more in the case of rough subsurfaces, if necessary).

7b. Sealing to rough or mineral subsurfaces

Apply the membrane, leaving slack to allow for expansion, and do not press the adhesive completely flat.

8. Sealing at skylights

MENTO membranes can be bonded to smooth surfaces such as skylights, chimneys, pipes and other roof elements using the TESCON PROFECT system adhesive tape.

9. Installation of a water deflector

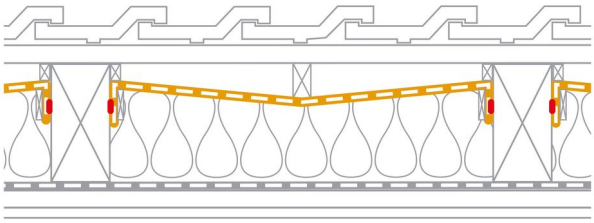
Install a batten with a lateral fall above the integrated roof element and stick it to the membrane using TESCON VANA. Create the water deflector in such a way that moisture is guided by a continuous counter batten into the next adjacent field that does not have an integrated roof element.

pro clima®

10. Sealing nail perforations

When installing temporary covering, TESCON NAIDECK nail-sealing tape must be installed between the counter battens and the MENTO membrane in order to create a seal.

Retrofitting underlay from the inside



Installation principle

The 'protruding lath' forms a valley and drains any water that has entered to the middle of the area between the rafters (away from the rafters) and towards the eaves.

Battens

Affix a batten at the sides (min. height of 2 cm, e.g. 2.5 x 4). Screw a 'protruding lath' that is 1.5 - 2 cm thicker (e.g. 4 x 6) to the roof battens in the space between rafters.

Install the membrane

Install SOLITEX longitudinally or perpendicularly, proceeding in turn from one space between rafters to the next. Ensure that the overlaps are waterproof.

Fastening and water flow

Affix battens at the sides. Alternative: Use DASATOP FIX. Ensure drainage through the knee wall into the eave area.

You're finished!

Completed underlay retrofitted from the inside.

Final steps

Install insulation in the space between the rafters. Install the airtightness layer, e.g. INTELLO, install inner cladding. You're finished!

SOLITEX MENTO® system – Retrofitting roofing underlay from the inside

In cases where there is no roofing underlay present, non-porous underlay can be retrofitted from the inside using one of the SOLITEX roofing underlays. SOLITEX membranes are equipped with a monolithic, non-porous functional film. As a result, they are watertight against water from the outside and can actively transport moisture vapour from the building structure into the open at the same time. This ensures optimal protection for the insulation structure.

Advantages

- Well-protected building structures: highly diffusion-open and maximum protection against driving rain
- Dry building structures: non-porous TEEE functional film actively transports moisture to the outside
- Long-term protection thanks to the high resistance to ageing and heat of the TEEE functional film

Reliable system for installation from the inside

The roof pitch of the roof tiles must not be less than the standard roof pitch. The roof pitch must be at least 20°. Installation is carried out from the inside, proceeding in turn from one space between rafters to the next. Battens at the corners of the rafters/tile battens provide the necessary ventilation for the roof covering. A 'protruding lath' fitted in the middle of the space between rafters forms a valley in the SOLITEX membrane. In this way, any water that has entered can be drained off to the middle of the area between the rafters (away from the rafters) and towards the eaves.

Attach the SOLITEX membrane to the rafters using battens or DASATOP FIX. The membranes must be overlapped in a waterproof manner and must drain reliably into the open. Installing from top down is easier to achieve the correct overlap.

General conditions

IMPORTANT INFORMATION

- This product is a Class 4 vapour-permeable pliable building underlay in accordance with NZS 2295 and AS 4200.1.
- This product is designed to withstand up to 90 days of UV exposure before cladding is installed.
- This product can withstand temperatures up to 120 °C and down to -40 °C behind external claddings.
- For ease of installation SOLITEX MENTO® 3000 connect is available with two integrated self-adhesive strips.

PRODUCT DESCRIPTION

SOLITEX MENTO® 3000 is a UV-stabilised and tear-resistant synthetic weather-resistive barrier (WRB) for roofs. A non-porous water-resistant TEEE film is laminated at high temperature between two layers of spun-bonded polypropylene (PP). SOLITEX MENTO® 3000 connect comes with two integrated self-adhesive strips.

WEATHER EXPOSURE

This product is a weather-resistive barrier (WRB) designed to withstand up to 90 days of direct exposure to UV and still fulfil the intended use for wind and water control. Exterior cladding should be detailed to prevent direct sunlight onto the membrane in service.

APPLICATION NOTES

This product is suitable for use in accordance with BRANZ appraisal 855 as an alternative to conventional kraft paper roof underlays or in accordance with the approved pro clima installation method utilising counter battens and above underlay ventilation. SOLITEX MENTO® 3000 connect is recommended for optimum weatherproof joints on roof pitches below 15 degrees.

The information provided in this document is based on practical experience and current knowledge and was correct at the time of publication. Pro Clima reserves the right to change technical details as developments occur and improvements are made to our products.

Pro Clima recommends reviewing the latest technical data on the www.proclima.co.nz [https://www.proclima.co.nz] website to ensure the most current document version.

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