

SOLITEX MENTO 1000 - SOLITEX FRONTA QUATTRO

Installation instructions for Pro Clima's wall WRB systems

Actively vapor open, airtight and very waterproof

Please note:

Check studs/framing/sheathing for nails, splinters and unnecessary protrusions – this prevents punctures and excessive bulging of the membrane.

Equipment:

Staple gun or pneumatic stapler, ladder or scaffold, rust resistant T50 staples (min 3/8" crown, 3/16" legs) or cap staples/roofing nails, tape measure, utility knife, caulk gun, pencil, straight edge, and cutting board (plywood sheet).

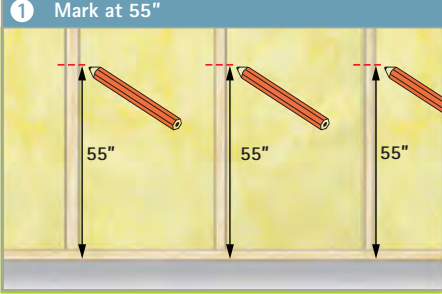
Note: hammer nailers can cause punctures/crooked staples, which can cause tears or leaks.

Stapling

Apply staples parallel with studs which provided a better hold on the membrane (if there is no sheathing). Set pneumatic stapler at pressure that sets staples flush, but does cause puncturing of SOLITEX membrane. Other option is to use roofing nails or cap-staples.

Use a minimum amount of staples to secure membrane in place, until battens are installed that clamp membrane to structure. If corners, windows, edges or wind conditions require you to staple in areas that won't be capped by a batten - seal these punctures with TESCON tape for best waterproof/airsealing results.

1 Mark at 55"



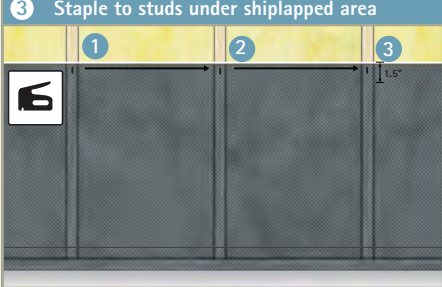
Mark the studs using a marker and measuring tape at a distance of 53-55" from the foundation edge.

These marks will assure and guide the level application of the first row of SOLITEX membrane.



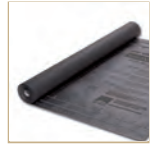
SOLITEX MENTO 1000
Weather resistive barrier /roof-underlayment made from monolithic TEEE-membrane and PP protective layers. UV-resistant. Up to 3 months of weather exposure.

3 Staple to studs under shiplapped area



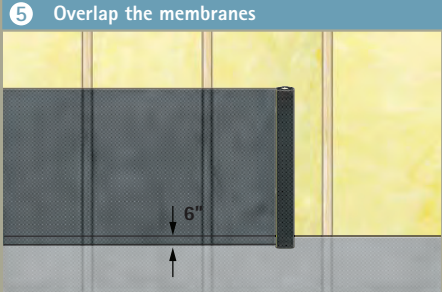
(1) Staple about an 1.5" from the upper edge of the membrane. (2,3,4...) Pull the membrane taut and staple at upper edge at every stud.

Do not staple in areas where water will collect. When you need to staple WRB in areas w/o shiplap or won't be covered by battens, use TESCON tapes to waterproof WRB punctures.



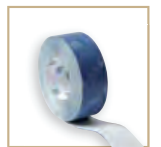
SOLITEX FRONTA QUATTRO
Wall weather resistive barrier made from monolithic TEEE-membrane and PP protective layers. Highly UV-resistant. Up to 6 months of weather exposure.

5 Overlap the membranes



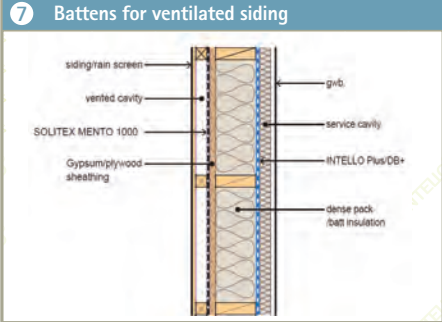
Using the printed markings as a guide and shiplap the WRB by 6". Staple along the top as in step 3.

Avoid SOLITEX membrane joints in hard to tape areas (corners). Provide proper shiplapped connections when transitioning from walls to roofs.



TESCON VANA
Multi-purpose adhesive tape for sealing membrane overlaps. Waterproof and airtight, with SOLID acrylic adhesive.

7 Battens for ventilated siding



When construction a rainscreen a min. 3/4" (2 cm) ventilated cavity is recommended.

Install vertical battens on top of membrane.

For vertical siding, add horizontal battens on top of the vert. battens.

Make sure that your siding screws/nails to not puncture the SOLITEX membrane when being installed.



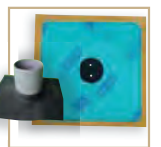
TESCON Naidec
Double sided butyl tape to seal screw and nail penetrations under battens. Recommended on low pitched roofs and severely exposed walls (open joints, coastal, high wind areas)

9 Open joint cladding



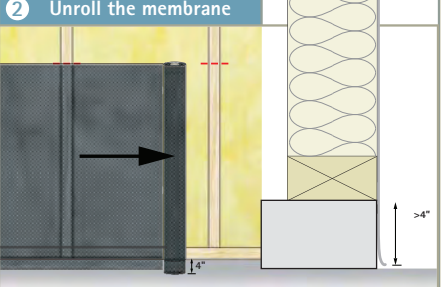
SOLITEX FRONTA QUATTRO is rated for UV exposure behind open joints. Gaps between the siding are max. 3/4" (2cm) and a 3/4" vent. cavity is required. The cladding can be horizontal or vertical.

The completely black membrane and TESCON INVIS tape will make the WRB completely disappear behind open joints.



ROFLEX / KAFLEX
Waterproof air-sealing gaskets for rapid and permanent airtight connections to cables and pipes that penetrate the WRB membrane

2 Unroll the membrane

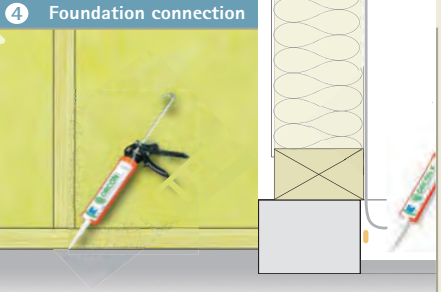


Unroll the SOLITEX membrane and align the upper edge with your marks.

The writing on the SOLITEX should face to the exterior.

Double check that the overlap over the foundation is sufficient to provide proper drainage.


4 Foundation connection



Connections to the concrete foundation, or other uneven/rough surfaces can be made with CONTEGA HF. Make sure substrate is stable or use TESCON Primer RP.

Apply a 1/4" wide bead (wider on rough surfaces). Press the membrane into bead, with some room for (expansion/contraction). Do not press adhesive completely flat. Let cure for 48 hrs.


6 Tape the overlaps



Tape the SOLITEX WRB joints with TESCON VANA. Lines on membrane will help you center the tape over the joint. Taped joint should be free of any permanent stress or tension.

To assure sufficient pressure is applied to activate adhesive and to relieve your hands: use the PRESSFIX tool to make application and pressurisation of the tape, fast and reliable.

8 Connections to rafters/joist/beams



Waterproof and air-sealed connections to beams, can be made with TESCON Profil 3 strip. Cut the tape 2" longer than the beam dimensions. To ensure proper shiplapping of tape. Tape in order: 1. bottom 2. right & left sides 3. top. Cut the 1" overhang of tape at a 45 angle. Fold tape ends around the beam and shiplap by next piece of tape for a good and durable seal.

Further information about application and construction is given in the pro clima planning documentation and application recommendations. If you have any questions, please contact us.



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