

Installation instructions SOLITEX FRONTA® PENTA

Installation steps



1. Install the membrane

Roll out the membrane and use galvanised staples that are at least 10 mm (3/8") wide and 8 mm (5/16") long to fasten the membrane in the overlap area at intervals of 10-15 cm (4"-6") in a manner that protects against moisture entry. Install the membrane leaving an additional 4 cm (1 5/8") overlap at adjacent building components so that a windtight bond can be applied here subsequently.



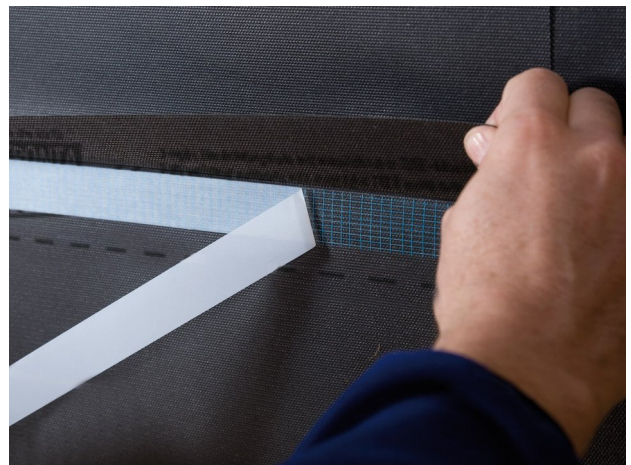
2. Apply double-sided adhesive tape

Clean the subsurface (dry and free of dust, silicone and grease), stick DUPLEX double-sided adhesive tape to the lower third of the subsequent overlap in a manner that protects against moisture. Rub tape firmly into place using the pro clima PRESSFIX. Ensure that there is sufficient resistance pressure.



3. Overlap the membranes

Overlap the membranes by approx. 10 cm (4") so that they are watertight. The printed markings are an aid to orientation.



4. Taping over the overlaps

Gradually remove the release film from DUPLEX and stick the overlapping membrane, ensuring that there are no folds or tension. Rub tape firmly into place using the pro clima PRESSFIX. Ensure that there is sufficient resistance pressure.



5a. Alternatively: Taping over the overlaps with TESCON INVIS

Tape TESCON INVIS system adhesive tape centrally to the overlap and stick it down bit by bit so that it is load and wrinkle free.



5b. Alternatively: Taping over the overlaps with TESCON INVIS

Rub tape firmly into place using the pro clima PRESSFIX. Ensure that there is sufficient resistance pressure.



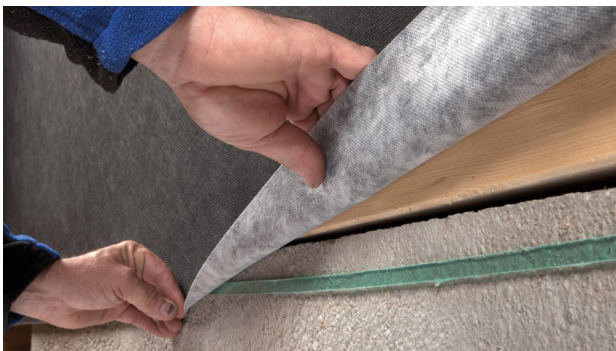
6a. Sticking to rough or mineral surfaces (e.g. floorboard)

Clean the surface. Apply a bead of ORCON F system adhesive – at least 5 mm (3/16") thick (more in the case of very rough surfaces).



6b. Sticking to rough or mineral surfaces (e.g. floorboard)

Lay the membrane with an expansion joint and not pressing the tape down completely to allow for movement of the parts.



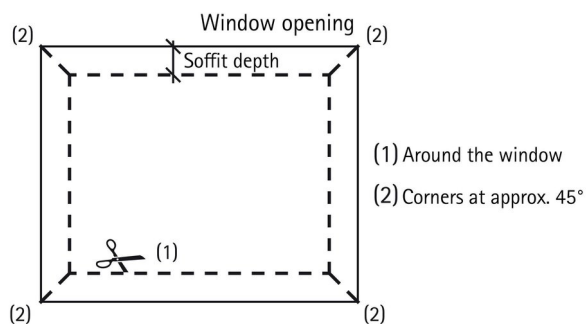
7. Alternatively: Sticking to rough or mineral surfaces (e.g. floorboard)

Stick line of adhesive to the subsurface, remove release film and stick the membrane in place, leaving slack to allow for expansion.



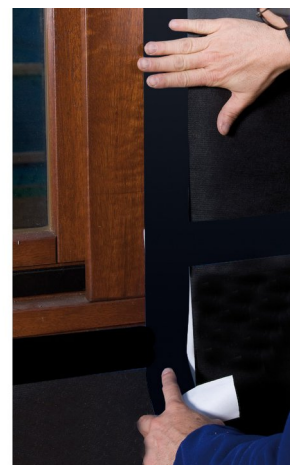
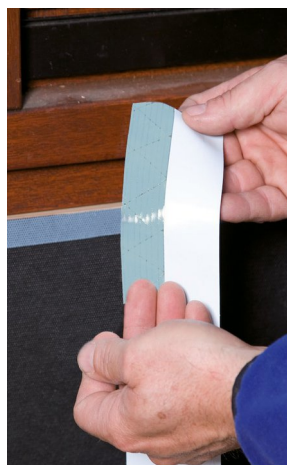
8a. Sticking to windows

Install membranes continuously over window openings and attach them all around the window using a stapler. Then cut open the opening using a utility knife.



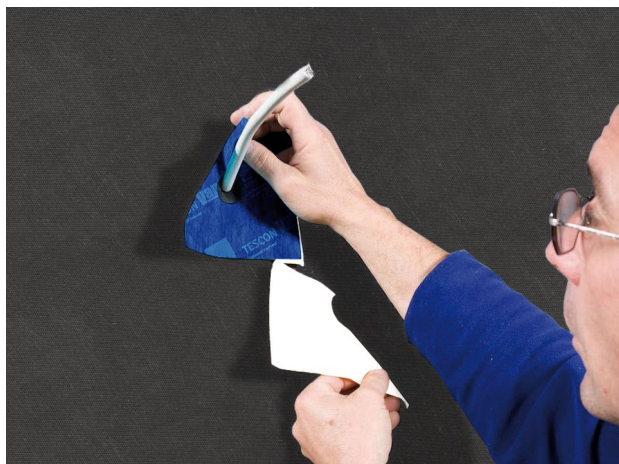
8b. Sticking to windows

In the case of recessed windows, cut into the membrane as shown in the sketch and guide into the reveal as far as the window frame.



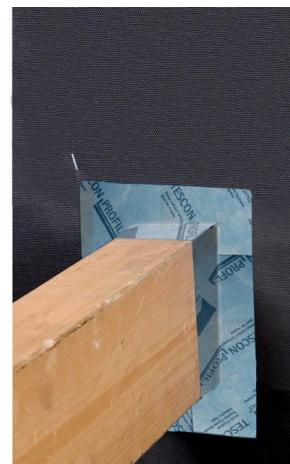
9. Sticking to windows

Stick the membrane to the window frame so that it is windtight using TESCON PROTECT. Thanks to the split release paper it is possible to stick the tape first to the membrane and then, subsequently, to the window. Alternatively use TESCON VANA or TESCON INVIS.



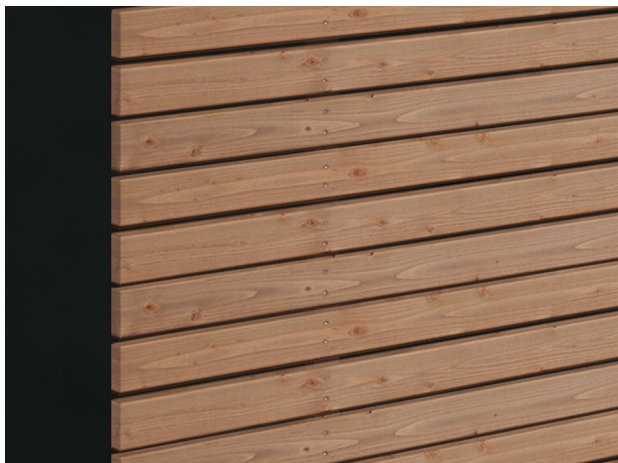
10. Sticking to cables and pipes

Place KAFLEX or ROFLEX sealing grommets over the cable or pipe and stick to the membrane. In the case of large gap widths, stick over the blue cable grommet using TESCON INVIS. Tape the pipe grommets to the membrane with TESCON INVIS.



11. Seal angular penetrations

Slide the TESCON PROTECT pre-folded corner sealing tape into the corner on the release film and stick the first independent adhesive strip. Then remove the remaining release strips and stick the second side. Alternatively, this transition can be sealed using the black TESCON INVIS adhesive tape.



12. Installation of decking

Horizontal or vertical installation of decking –

SOLITEX FRONTA WA: Only for closed decking

SOLITEX FRONTA QUATTRO: For open cladding with gap widths up to max. 35 mm (1 3/8")

SOLITEX FRONTA QUATTRO FB: Flame-resistant

SOLITEX FRONTA PENTA: For open cladding with gap widths up to max. 50 mm (2")

General conditions

SOLITEX FRONTA PENTA membranes should be installed with the printed side facing outwards. The membranes are to be installed horizontally in a taut manner with no sagging.

When the product is used behind open-jointed cladding, the gap may be a maximum of 50 mm (2"). The percentage of gaps relative to the overall surface may be up to 40%. The distance between the open-jointed cladding and the membrane must be at least 20 mm (3/4").

Fasteners may not be applied in areas where water run-off is collected.

Additional measures (e.g. covering with tarpaulins) should be taken during the construction phase in the case of buildings that are lived in or buildings that are to be given particular protection. Covering with tarpaulins should also be considered if construction work is to be interrupted for a longer period.

The information provided here is based on practical experience and the current state of knowledge. We reserve the right to make changes to the recommended designs and processing or to make alterations due to technical developments and associated improvements in the quality of our products. We would be happy to inform you of the current technical state of the art at the time you use our products.

Further information about the application and construction can be found in the pro clima planning documentation. For queries please call the pro clima technical hotline on +49 (0)6202 278245.

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