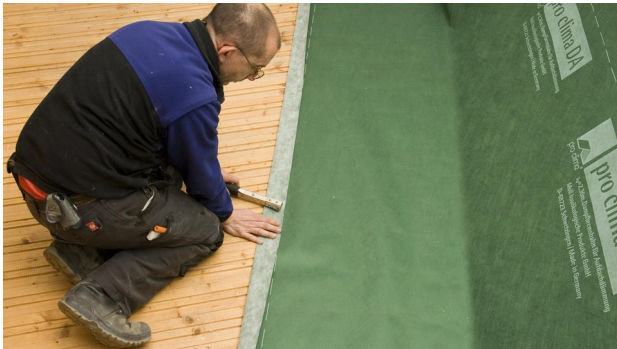


Installation instructions



Installation steps



1. Install the membrane

Roll out the membrane and fasten it using galvanised staples that are at least 10 mm (3/8") wide by 8 mm (5/16") long at intervals of 10-15 cm (4"-6") in the overlap area. Install the membrane leaving an additional 4 cm (1 5/8") overlap at adjacent building components so that an airtight bond can be applied here subsequently.



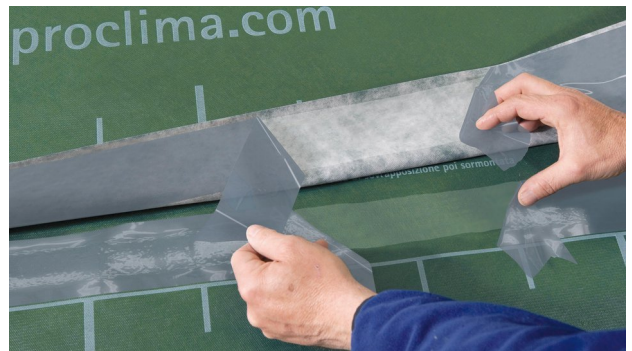
2. Overlap the membranes

Allow for an overlap of approx. 10 cm (4") between the membranes in a waterproof manner. The marking that is printed onto the membrane will serve as a guide here.



3a. Stick the overlap

Clean the subsurface (dry and free of dust, silicone and grease) and 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.



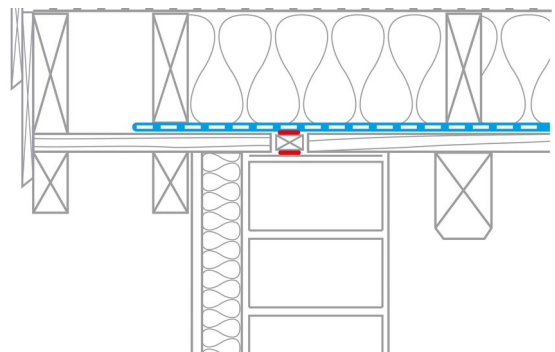
3b. Stick the overlap

In the case of DA connect, stick the membrane overlap using the two integrated self-adhesive strips. Rub firmly using the pro clima PRESSFIX application tool to secure the adhesive bond.



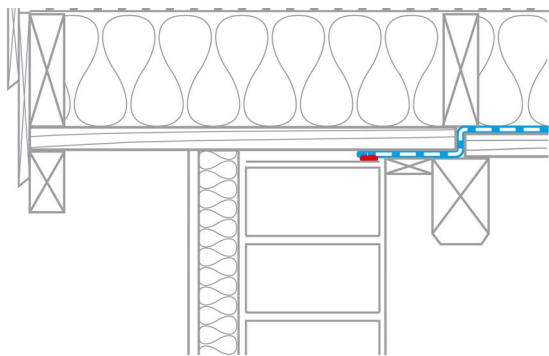
4. Installation at ridges

Apply an approx. 40 cm (1' 4") wide strip of DA centrally. Affix in the edge area using staples. Then tape in an airtight manner using the TESCON VANA system adhesive tape. Cover over the staples when applying the tape. Rub firmly using the pro clima PRESSFIX application tool to secure the adhesive bond. Ensure that there is sufficient resistance pressure.



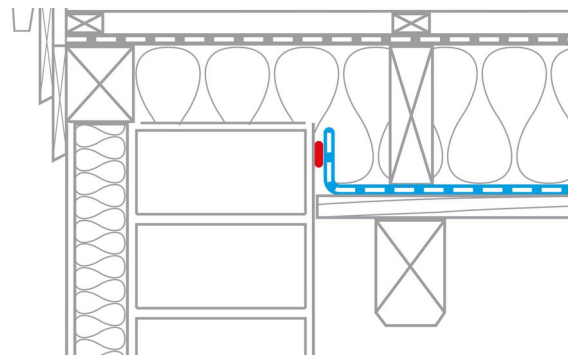
5. Joint at bargeboard

Interruption of the timber sheathing at the top of the wall cap, which has a layer of mortar applied to it. A roof lath is adhesively bonded to the wall cap with ORCON F along its entire length. Sealing of DA to the roof lath using ORCON F.



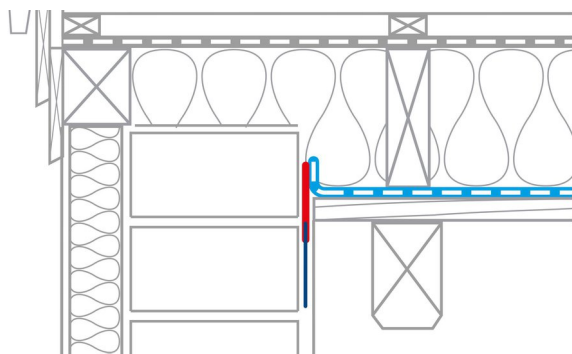
6. Joint at bargeboard, alternative 1

Butt joint between timber sheathing and last rafter. The DA passes through the butt joint and onto the inside of the timber sheathing and is stuck to the top of the wall cap using ORCON F.



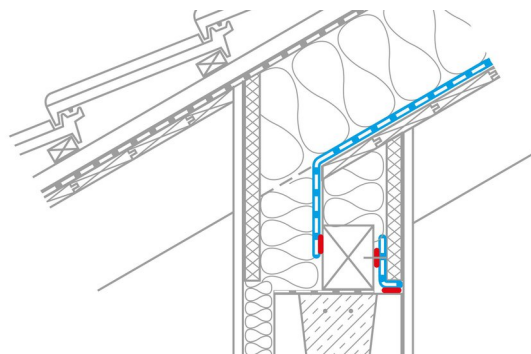
7. Joint at bargeboard, alternative 2

In the case of a plastered gable wall, bond pro clima DA to the plaster using ORCON F.



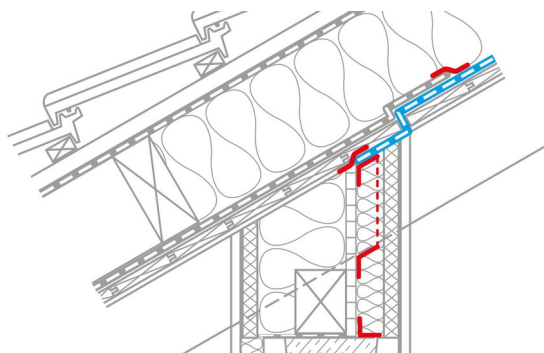
8. Joint at bargeboard, alternative 3

If there is no layer of plaster, affix CONTEGA PV to the wall using adhesive sealant and bond DA to the adhesive strip. At least 1 cm (3/8") width of the fleece must be embedded into the middle of the layer of plaster.



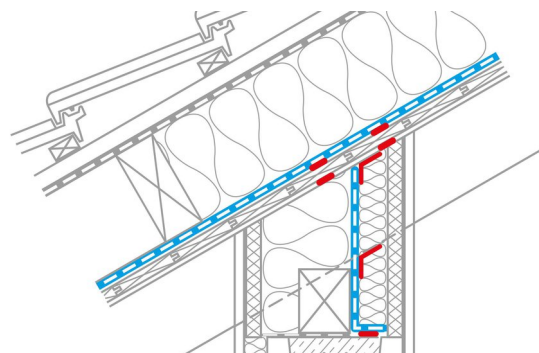
9. Eave joint with exposed rafters without rafter tails

Stick DA to the wallplate in an airtight manner using ORCON F. Seal the joint between the wallplate and the ring beam in an airtight manner using a strip of vapour control membrane (e.g. DA-S) and ORCON F.



10. Eave joint with exposed rafters with rafter tails

Install an upright positioning board made of wood-based panel on the inside between the rafters and bond it to the ring beam and the rafters using TESCON PROTECT. If necessary, apply ORCON F underneath the tape in the case of rough concrete. Interrupt the sheathing above this positioning board and tape DA to this board.



11. Eave joint with exposed rafters with rafter tails, alternative

Install a strip of vapour control membrane, e.g. DA-S, on the inside between the rafters and bond it to the ring beam and the rafters using TESCON PROTECT. If necessary, apply ORCON F underneath the tape in the case of rough concrete. Above the vapour control strip, create seals between the sheathing and both the rafters and the DA membrane using double strips of adhesive.



12. Sealing around pipes and cables

Place a KAFLEX or ROFLEX sealing grommet over the cable or pipe and stick it to DA. The cable grommets are self-adhesive. Tape the pipe grommets to the membrane in a waterproof manner all around using TESCO VANA.



13. Quality assurance

If all joints have been implemented in an airtight manner, the thermal insulation structure will be reliable and permanent. Testing of the airtightness with a Blower Door test is recommended for quality assurance purposes.

General conditions

pro clima DA is to be installed with the printed side facing the installation technician. The membrane is to be installed horizontally (parallel to the eave) in a taut manner. The weight of the insulation material must be supported by the sheathing.

Airtight seals can only be achieved on vapour control (alternate terms: vapour check or retarder) membranes that have been fitted with no folds or creases. Ventilate regularly and systematically to prevent build-up of excessive humidity (e.g. during the construction phase). Occasional, intermittent ventilation is not sufficient to remove large quantities of moisture due to construction work from a building; use a dryer if necessary.

To avoid condensation formation, the thermal insulation should be installed immediately after the airtight installation of DA. This applies particularly to work carried out in winter.

Fastening

- Overlap the membranes by at least 10 cm (3/8").
- Use fastening staples that are at least 10 mm (3/8") wide by 8 mm (5/16") long to attach the membranes. The membranes can only be fastened in a protected manner in the overlap area. The maximum distance between fasteners is 10 to 15 cm (4" to 6").

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 installation and design details is available in the pro clima planning documentation. If you have any questions, please contact [pro clima Technical Support](<https://proclima.com/service/technical-support>).

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