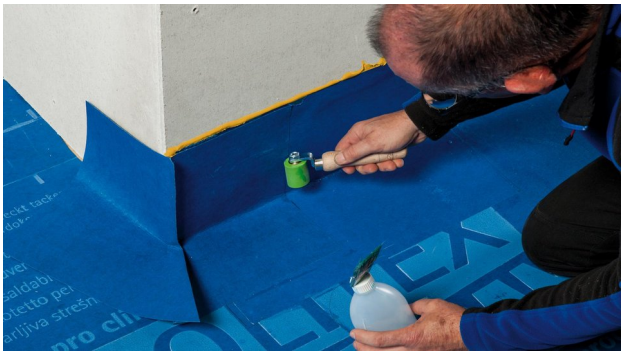
Installation instructions
WELDANO® INCAV

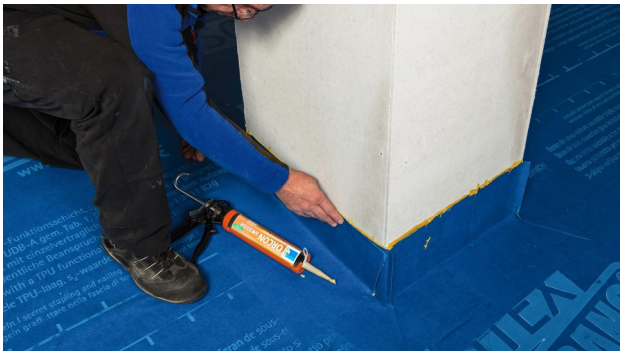
Joints with protruding building structures



1a. On slightly slanted roofs: Joints with protruding building structures (e.g. chimneys)

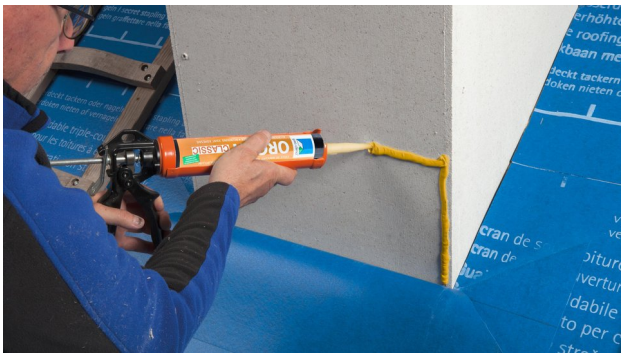
Clean the subsurface. Weld the component to the roofing underlay membrane using a strip of SOLITEX WELDANO-S 3000 on each side and the WELDANO INVEX system shaped element (using solvent welding agent or a hot air gun) in a waterproof manner, ensuring there are no folds or creases. Press the joint firmly into place and check for leaks.

Form the inner corners in an analogous manner using the WELDANO INCAV system shaped element.



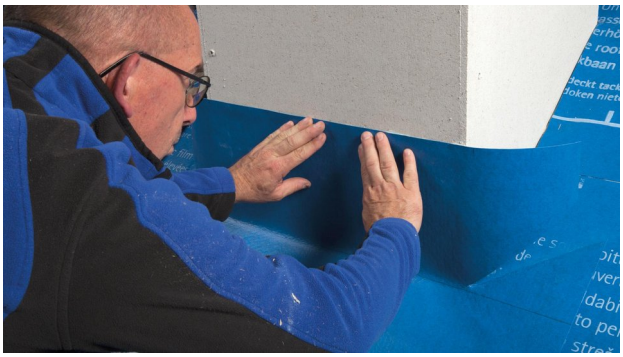
1b. On slightly slanted roofs: Joints with protruding building structures (e.g. chimneys)

Cover to a height of at least 15 cm on the protruding building structure and stick using ORCON CLASSIC.



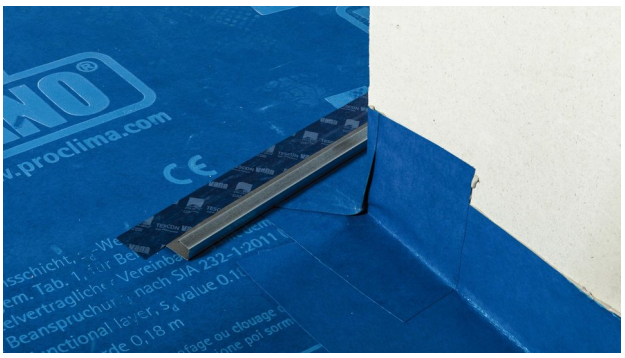
2a. On pitched roofs: Joints with protruding building structures (e.g. chimneys)

Apply a line of ORCON CLASSIC with a diameter of at least 6 mm to the mineral subsurface (more in the case of rough subsurfaces, if necessary).



2b. On pitched roofs: Joints with protruding building structures (e.g. chimneys)

Put the membrane in place on the adhesive bed, leaving slack to allow for expansion. Do not press the adhesive completely flat so as to allow for relative motion between components.



3. Installation of a water deflector

Create a water deflector with a lateral fall above the integrated roof element and stick it to the membrane. Form the water deflector in such a way that moisture is guided through a gap in a counter batten into the next adjacent field that does not have an integrated roof element.

Substrates

Suitable for installation over pressure-resistant subsurfaces, e.g. timber sheathing, wood-based panels and wood-fibre underlay panels. The subsurface must be dry, free of frost, clean and free of any sharp-edged or pointed objects.

General conditions

The membrane edges are to be welded using the WELDANO TURGA (HS) system solvent welding agent or a hot air gun. The welding area must be dry and free of frost, dust and grease. If there is dirt (e.g. oil) on the surface, moisten a cloth lightly with WELDANO TURGA (HS) system solvent welding agent and use it to clean off this dirt. Both sides of the membrane can be welded and are suitable as upper layers.

Welding with a solvent welding agent can be carried out at temperatures above 0 °C (32 °F). Please observe the hazard notices on the container.

If a hot air gun is being used, we recommend a temperature of around 220 to 280 °C (430 to 530 °F) depending on the ambient temperature and wind conditions. Test this setting by carrying out a test weld on a sample piece of membrane. A 40 mm (1.6") nozzle width has been found to be suitable in practice for welded joints between surface membranes. A 20 mm (3/4") nozzle may be more suitable in certain cases for more intricate joints.

As an alternative to the use of the WELDANO ROFLEX, WELDANO INVEX or WELDANO INCAV system shaped elements, these elements can also be made by cutting appropriate shapes out of SOLITEX WELDANO 3000 membranes.

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).

MOLL
bauökologische Produkte GmbH
Rheintalstraße 35 - 43
D-68723 Schwetzingen
Fon: +49 (0) 62 02 - 27 82.0
eMail: info@proclima.de