

# Installation instructions

TESCON® INVIS

## Installation steps



### 1. Preparation

Subsurfaces must have sufficient stability and be dry, level and free of dust, silicone and grease. Brush off subsurfaces; if necessary, clean with a vacuum cleaner and wipe down.



### 2. Taping of facade membranes on the exterior

For non-visible taping and joints for breather (WRB) membranes installed behind open-jointed cladding (e.g. SOLITEX FRONTA QUATTRO), centre TESCO INVIS on the strip overlap, roll it out and gradually stick in place.



### 3. Rub the tape firmly to secure the adhesive bond

Rub the adhesive joints firmly. Ensure that there is sufficient resistance pressure. This step can be carried out more efficiently and in a manner that is kinder to the hands by using the PRESSFIX application tool.



### 4. Alternative: Adhesive joints using DUPLEX

DUPLEX can be applied inside the overlap. Lift up the upper membrane strip, apply DUPLEX to one side, gradually remove the release film and stick in place. Rub the firmly with the PRESSFIX application tool. Ensure that there is sufficient resistance pressure.



### 5a. Sealing at ground slab

Joints with the ground slab or other mineral or rough subsurfaces can be implemented using the ORCON F adhesive sealant. Clean the subsurface. Apply a line of adhesive that is approx. 5 mm ( $\frac{3}{16}$ ") thick (more in the case of uneven subsurfaces, if necessary).



### 5b. Sealing at ground slab

Place the membrane strip onto the adhesive bed. Do not press the adhesive completely flat so as to allow for relative motion between components.



#### 6a. Joints with OSB/planned wood

To implement windproof joints between facade membranes and smooth, non-mineral substrates such as wood-based panels or planed wood, centre TESCON INVIS on the joint and gradually stick it in place.



#### 6b. Joints with unplaned wood

Use ORCON F adhesive sealant on unplaned beams, rafters or purlins. Apply a line of ORCON F that is approx. 5 mm ( $\frac{3}{16}$ ") thick. Use a thicker line of adhesive on rough substrates, if necessary.



#### 7. Taping of underlay panels (MDF)

Underlay panels made of MDF can be taped using TESCON INVIS. Centre the tape on the panel joint, roll it out and gradually stick it in place. Rub firmly using the PRESSFIX application tool to secure the adhesive bond. Ensure that there is sufficient resistance pressure. Wood-fibre insulation panels should be treated with TESCON PRIMER.



#### 8. Detail solution for window joints

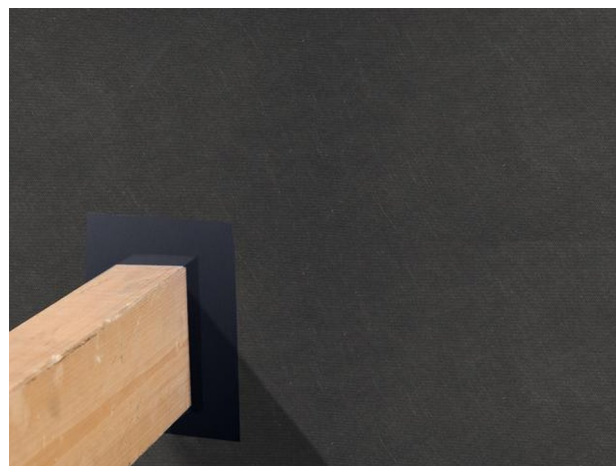
Stick the membrane to the window frame in a windproof and waterproof manner using the TESCON INVIS all-round adhesive tape. Rub firmly using the PRESSFIX application tool to secure the adhesive bond.





### 9a. Detail solution for cable feed-throughs

Seal round cable feed-throughs with ROFLEX/KAFLEX grommets. The cable grommets are self-adhesive. Apply TESCON INVIS over the TESCON VANA tape. Tape the pipe grommets to the subsurface in an airtight manner using TESCON INVIS. Rub firmly using the PRESSFIX application tool to secure the adhesive bond. Ensure that there is sufficient resistance pressure.



### 9b. Detail solution for beam/joist penetrations

Windproof and waterproof joints with (planed) beams can be achieved using TESCON INVIS. Sticking sequence: 1. Bottom, 2. Left and right, 3. Top. Joints with rough subsurfaces can be implemented using ORCON F.

## Substrates

Clean subsurfaces before applying tape. Adhesion is not possible on frozen surfaces. There must be no water-repellent substances (e.g. grease or silicone) on surfaces where adhesives are to be applied. Subsurfaces must be sufficiently dry and stable.

Permanent adhesion is achieved on all pro clima interior and exterior membranes, on other vapour control and airtight membranes (e.g. those made of PE, PA, PP and aluminium) and on other underlay and breather membranes (weather-resistive barriers, WRBs) (e.g. those made of PP and PET).

Adhesion and taped connections are possible with planed and painted wood, hard plastics and metal (e.g. pipes, windows etc.), rigid foam insulation materials that can be plastered over, and hard wood-based panels (chipboard, OSB, plywood, MDF and wood-fibre underlay panels). Pre-treatment with TESCON PRIMER is required in the case of adhesion to wood-fibre underlay panels or on smooth, mineral subsurfaces. Concrete or plaster subsurfaces must not be sandy or crumbling.

The best results in terms of reliability are achieved on high-quality subsurfaces. It is your responsibility to check the suitability of the subsurface; adhesion tests may be necessary in certain cases. Pre-treatment with TESCON PRIMER is recommended in the case of subsurfaces that have insufficient stability.

## General conditions

Taped joints must not be subjected to tensile forces. Once membranes have been taped, the weight of the insulation material must be supported by laths. Adhesion should be supported by additional laths, if necessary. Rub the adhesive tapes firmly to secure the adhesive bonds. Ensure that there is sufficient resistance pressure.

Windproof, airtight or rainproof sealing can only be achieved on vapour control or underlay/facade membranes that have been installed without folds or creases. Ventilate continuously and systematically to prevent build-up of excessive humidity; use a dryer if necessary. When plastering, please observe the recommendations of the plaster manufacturer for non-absorbent subsurfaces. A bonding course may be necessary.

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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