

Installation instructions **TESCON® INVIS**

Installation steps



1. Preparation

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



2. Bonding of facade membranes, exterior

For non-visible bonding and joints for wall formwork membranes (e.g. SOLITEX FRONTA QUATTRO) behind gap formwork, centre TESCO INVIS on the strip overlap, roll it out and gradually stick in place.



3. Pressing firmly to secure the tape!

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



4. Alternative: bonding using DUPLEX

Alternative bonding method using DUPLEX double-sided adhesive tape in the overlap.
Lift up the upper membrane strip, apply DUPLEX to one side, gradually remove the backing paper and stick in place.
Rub tape firmly into place using the pro clima PRESSFIX.
Ensure that there is sufficient resistance pressure.



5a. Bonding to ground slab

Carry out bonding to the ground slab or other mineral or rough substrates using the ORCON F bonding adhesive. Clean the subsurface. Apply a line of adhesive that is approx. 5 mm thick (more in the case of uneven substrates, if necessary).



5b. Bonding to ground slab

Put the membrane strip 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.



6a. Bonding to OSB / planed wood

To achieve 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.



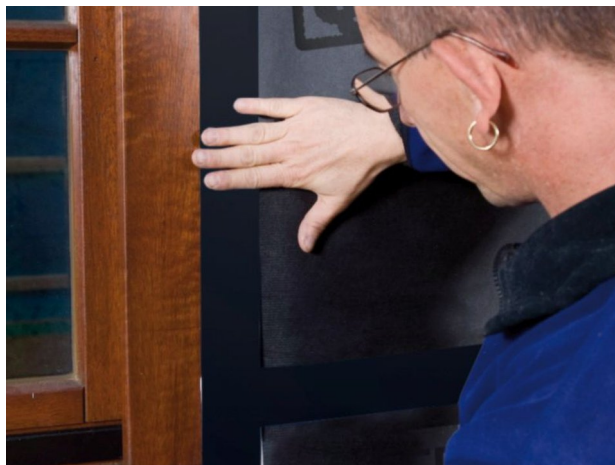
6b. Bonding to roughly sawn wood

Use ORCON F bonding adhesive on roughly sawn beams, rafters or purlins. Apply a line of ORCON F adhesive that is approx. 5 mm thick. Use a thicker line of adhesive on rough substrates, if necessary.



7. Bonding of underlay panels (MDF)

Stick underlay panels made of MDF using TESCON INVIS. Centre the tape on the panel joint, roll it out and gradually stick it in place. Rub tape firmly into place using the pro clima PRESSFIX. Ensure that there is sufficient resistance pressure. Apply TESCON PRIMER to wood fibreboards.



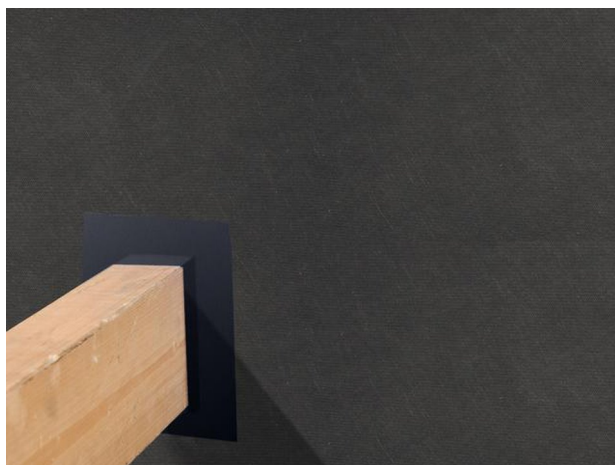
8. Detail for window bonding

Stick the membrane strip to the frame in a windproof and waterproof manner using the TESCON INVIS all-round adhesive tape. Rub tape firmly into place using the pro clima PRESSFIX.



9a. Detail for cable feed-through

Seal off round holes with ROFLEX/KAFLEX grommets. The cable grommets are self-adhesive. Apply TESCON INVIS over the TESCON VANA. Bond the pipe grommets to the subsurface in an airtight manner using TESCON INVIS. Rub tape firmly into place using the pro clima PRESSFIX. Ensure that there is sufficient resistance pressure.



9b. Detail for beam penetration

Carry out windproof and waterproof bonding to (planed) beams using TESCON INVIS. Sticking sequence: 1. bottom, 2. left and right, 3. top. Use ORCON F bonding adhesive for bonding to rough beams.

Substrates

Clean subsurfaces before sticking. Adhesion to frozen surfaces is not possible. There must be no water-repellent substances (e.g. grease or silicone) on materials to be bonded. Subsurfaces must be sufficiently dry and stable. Permanent adhesion is achieved on all pro clima interior and exterior membranes, other vapour retarder and airtight membranes (e.g. those made of PE, PA, PP and aluminium) as well as other roof and wall lining membranes (e.g. those made of PP and PET). Bonding and joints are possible on planed and painted wood, hard plastics and metal (e.g. pipes, windows etc.), hard wood-based panels (chipboard, OSB, plywood, MDF and wood fibre underlay panels). Wood fibre sub-roof panels and smooth mineral subsurfaces require pre-treatment with TESCON PRIMER before bonding. Concrete or plaster subsurfaces must not be sandy or crumbling. The best results in terms of structural stability are achieved on high-quality subsurfaces. It is your responsibility to check the suitability of the subsurface; adhesion tests are recommended in certain cases. Pretreatment with TESCON PRIMER is recommended in the case of subsurfaces with insufficient stability.

General conditions

The bonds should not be subjected to tensile strain.

Once membranes have been stuck, the weight of the insulation material must be supported by laths. Adhesion should be supported by additional laths, if necessary.

Press firmly to secure the adhesive tapes in place. Ensure that there is sufficient resistance pressure.

Windproof, airtight or rainproof bonding can only be achieved on vapour retarders, roof underlays or wall lining membranes that have been laid 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 substrates. 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 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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