

Installation instructions

TESCON® No 1

Installation steps



1. Preparation

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



2. Taping membrane overlaps

Apply TESCON No.1 centrally to the overlap and stick it down gradually so that it is free of tension and wrinkles. Rub the tape firmly using the PRESSFIX to secure the adhesive bond. Ensure that there is sufficient resistance pressure.



3. Joints to smooth, non-mineral surfaces

For example: knee walls made of wood-based panels – these should be sealed with TESCON No.1.

Attach the tape centrally, stick it down gradually so that it is free of tension and wrinkles, and press firmly to secure the tape.



4. Taping of roofing underlay membranes

Tape roofing underlay membranes (e.g. SOLITEX MENTO) using TESCON No. 1.

Centre the tape on the membrane overlap, roll it out and gradually stick it in place.

Rub the tape firmly using the PRESSFIX to secure the adhesive bond. Ensure that there is sufficient resistance pressure.



5. Taping of sub-and-top membranes

When taping refurbishment vapour control membranes (e.g. DASATOP), centre TESCO No.1 on the membrane overlap, roll it out, carefully guide it into the corners and stick it in place.

Rub the tape firmly to secure the adhesive bond using the PRESSFIX application tool. Ensure that there is sufficient resistance pressure.



Sealing of underlay panels (MDF)

Tape underlay panels made of MDF using TESCO No.1.

Centre the tape on the panel joint, roll it out and gradually stick it in place. Rub the tape firmly to secure the adhesive bond using the PRESSFIX application tool. Ensure that there is sufficient resistance pressure. Apply TESCO PRIMER to wood-fibre underlay panels.



Exterior sealing

Bond roofing underlay membranes (e.g. SOLITEX MENTO) to smooth, non-mineral surfaces such as skylights using TESCO No.1. Form a sheeting channel above the penetration.



Detail feature: pipes, exterior

Pull the pro clima EPDM grommet over the pipe and tape it to the roofing underlay in a waterproof manner using TESCO No.1. Form a sheeting channel above the penetration.



Detail feature: sheeting channel

Guide the strip of film into the overlap of the next continuous roofing membrane and stick it in place.

Fold over the free end of the strip and attach it to the roof batten.

Allow moisture to drain into the next zone by leaving a gap in the counter batten.

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 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, other vapour control and airtight membranes (e.g. those made of PE, PA, PP and aluminium) as well as other roof and breather (WRB) membranes (e.g. those made of PP and PET).

Adhesion and taped connections are possible on 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). Wood fibre sub-roof panels and smooth mineral substrates require pre-treatment with TESCON PRIMER before sealing. Concrete or plaster substrates must not be sandy or crumbling.

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

General conditions

Taped joints should not be subjected to tensile strain. 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 membranes, roofing underlays or breather (WRB) 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 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 application and construction is given in the pro clima planning documentation and application recommendations. If you have any questions, please call the pro clima technical hotline Ireland and UK:

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For over 20 years, Ecological Building Systems has been at the forefront of environmental and sustainable building products supplying a range of innovative airtightness solutions and natural insulations backed up with expert technical support.

As product suppliers in the UK and Ireland, we're happy to assist you with your projects and have expert technical and sales advice on hand.



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