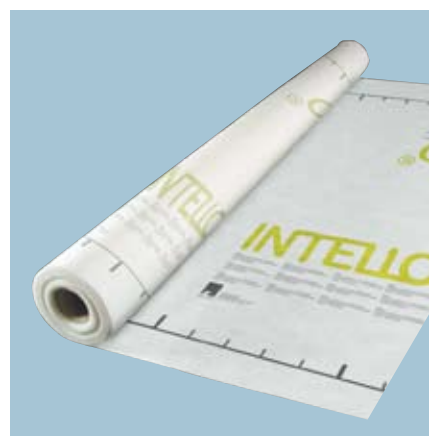


pro clima INTELLO[®] PLUS

Intelligent vapour check and airtight membrane

The intelligent airtight system for roofs and walls in timber structures



High-performance vapour checks and air tight membranes for ventilated or unventilated roof and wall constructions e.g. BS 5250, DIN 4108 (germany), SIA 180 (switzerland) and OeNorm B8110-2 (austria).

pro clima INTELLO[®]PLUS features humidity-variable diffusion resistance that is particularly effective in all climate areas. It thereby gives maximum protection to thermal insulation when moisture entry occurs in timber or steel frame structures, e.g. through leaks, damp building materials or diffusion through adjoining structural surfaces.

This means optimum moisture protection for all fibrous insulating materials in all constructions, whether they are vapour diffusion permeable or vapour diffusion resistant externally such as pitched roofs with bitumen sheeting or metal sheet roofing, flat or green roofs and walls with diffusion resistant exterior cladding.

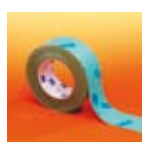
Please refer to the planning and construction recommendations in the brochure titled "pro clima System Interior Insulation INTELLO[®]".

Technical information

Vapour diffusion resistance figure	37.500
Thickness	0.2 mm
Vapour resistance	1.25 to over 50 MNs/g
Fire class	B 2 or E
Membrane	Polyethylene-copolymer
Fleece	Polypropylene fleece
Temp. resist.	-40°C to +80°C
Colour	white
Delivery form	Roll width 1.50 m Roll length 20 m/50 m

CE mark in accordance with DIN EN 13984

pro clima system components for secure airtight adhesion:



UNI TAPE or RAPID CELL
For sealing sheet overlappings.



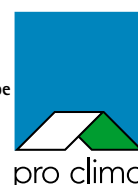
TESCON PROFIL
For connections to windows, doors and corners.



ORCON F
Joint adhesives for connections to adjoining structural components.



CONTEGA PV
Quality joints to brickwork that is yet to be plastered.



pro clima INTELLO[®]PLUS

Intelligent vapour check and airtight membrane

Application

pro clima INTELLO[®]PLUS can be combined with all fibrous thermal insulation materials. Membranes can be laid parallel or at right angles to supporting structures. If it is laid parallel to the structure, the membrane must overlap on the construction timber.

When applying the membrane, please ensure that sealing with adhesive tapes can be car-

ried out later on the smooth membrane side. **Lay and seal the vapour check immediately after the fitting of the thermal insulation.** It should be fastened with staples, spaced at a max. of 5-10 cm.

If it is laid at right angles to the supporting structure, the allowed spacing of supporting timbers is limited to a maximum 100 cm. After installation, the weight of the insulation must be

supported on the inside with crosswise lathing (with a max. spacing of 50 cm).

Construction-related moisture should always be dissipated from the building quickly and thoroughly by means of window ventilation.

A dehumidifier may be required in winter months.

Bonding

UNI TAPE or RAPID CELL



Adhesion is carried out on the smooth, dry and dust-free membrane side. With pro clima UNI TAPE or RAPID CELL, the membrane is fastened, without load or strain, one below the other, or to smooth, non-mineral adjoining surfaces.

TESCON No. 1 is used for penetrations. The tapes must be pressed down firmly. Further adhesive tape application suggestions are contained in the pro clima application matrix.

Joints

ORCON F



Adjoining rough or mineral structural components are bonded using a continuous adhesive bead of pro clima ORCON F. The joint can also be made on the fleece side. Surfaces must be stable and capable of load bearing; otherwise they should be primed

with BUDAX AC. They should be brushed down if necessary. An expansion joint should be provided to ensure connection without strain. Do not fully flatten the adhesive bead, so that it retains a certain elasticity.

Corner sealing

TESCON PROFIL

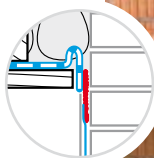


Prefold the pro clima TESCO PROFIL corner adhesive tape into an L-shape and remove the release paper on the short side. Use the remaining release paper to push the adhesive tape into the corner

and to stick down the exposed side of the tape. Then remove the rest of the release paper and stick down the adhesive tape completely. The tape must be pressed down firmly.

High quality Joints

CONTEGA PV



The pro clima CONTEGA PV plaster sealing tape, creates a high-quality, airtight transition to surfaces which have yet to be plastered.

pro clima INTELLO[®]PLUS is connected to CONTEGA PV using an expansion joint.

Quality assurance

Before an inner lining (e.g. plaster board) is fitted, it is recommended, for reasons of quality assurance, to carry out a vacuum test (e.g. with pro clima WINCON).

Further information about application and construction is contained in the brochure entitled "pro clima System Interior Insulation INTELLO[®]". If there are any questions, the technical hotline can be reached at +353 46 9432104.

Ecological Building Systems
Main Street
Athboy
Co. Meath, Ireland
Tel.: +353 46 9432104
Fax: +353 46 9432435
info@ecologicalbuildingsystems.com
www.ecologicalbuildingsystems.com

