



pro clima AIR TIGHTNESS Key Specification Details

Membrane: INTELLO PLUS Intelligent Airtight Vapour Check, (PP microfibre fleece, PE-Copolymer, PP reinforcement layer).

Thickness: 0.2mm.

Surface weight: 125g/m².

Roll width: 1.5m. **Roll length:** 20/50m.

Manufacturer / Supplier: Ecological Building Systems, Main St, Athboy, Co Meath

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Web: www.ecologicalbuildingsystems.com

Installing:

- **Orientation:** membrane coating face (with writing on) facing indoors .
- **Fixing:** Rust resistant staples (at least 10mm wide and 8mm long) at 100 to 150mm centres.
- **Laps:** minimum 10 to 100mm.

Sealing INTELLO PLUS to:-

- INTELLO PLUS (laps): Uni Tape or TESCON NO 1, supplied by Ecological Building Systems.
- Planed Timber: Uni Tape or TESCON NO 1, supplied by Ecological Building Systems.
- Plastered surfaces: Orcon F non aging adhesive glue, supplied by Ecological Building Systems Ltd.
- Concrete: Orcon F non aging adhesive glue, supplied by Ecological Building Systems Ltd .
- Unplastered masonry: Contega PV for gypsum based plaster or an inclusion of expanded metal for sand cement plaster, supplied by Ecological Building Systems.
- Steel: DUPLEX double sided tape, Uni Tape, TESCON NO 1 or Orcon F non aging adhesive glue. Note: ensure seal is maintained continuously across feature

Sealing penetrations through INTELLO PLUS:

- cables: 6 - 12mm dia, single or double cable grummetts .
- conduit: 15 - 30mm dia, conduit grummetts .
- pipes: pipe grummetts, 50 - 90mm dia or 100 - 120mm dia .

Miscellaneous:

TESCON NO 1 Multi Purpose flexible sealing tape can be used around irregular penetrations or in lieu of above.

All work is to be strictly in accordance with the manufacturers written instructions. All surfaces to which the barrier is to be sealed are to be clean and dust / grease free.

All barriers are to be visually checked and 'signed off' as complete before covering over.

Check laps, seals to adjacent surfaces and check for punctures. Punctures can be repaired / patched with Uni Tape / membrane /TESCON NO 1 as appropriate.

Complex interfaces may require a combination of tape / sealant and lapped membrane pieces to ensure a complete seal.

NOTE: Contractors to be aware of finished conditions and ensure that all membranes, tapes etc are concealed and do not show in the finished works.

To maximise the airtightness and minimise refurbishment costs a pre-emptive depressurisation test is recommended before the final surface finish is applied. This can be conducted using the pro clima WINCON Airtightness quality control unit or a conventional blower door fan.

For more information, please contact Ecological Building Systems or see the pro clima complete installation guide.