



pro clima INTELLO®

Intelligent Air Barrier

INTELLO® is a market leading intelligent air barrier for all construction types, providing superior energy and moisture control. INTELLO® maximises the performance of your thermal insulation, whilst restricting internal moisture entering the building envelope. INTELLO® utilises Hydrosafe™ technology, providing optimal protection against structural damage and mould, even in the event of unexpected moisture intrusion.

- ✓ Promotes superior drying capacity with Hydrosafe™ technology
- ✓ Intelligent airtightness system (IAS) for warm, dry, healthy buildings
- ✓ Maximises the performance of thermal insulation
- ✓ Highly diffusion-resistant in winter
- ✓ Superior back-diffusion capacity in summer*



20 03 2020



Your local support

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**Technical Data**

Cover-fleece + protective-layer:	PP microfibre fleece	
Membrane:	PE copolymer	
Surface weight:	110 ± 20 g/m ²	
Thickness:	0.4 ± 0.15 mm	
Flammability index:	< 5	AS 1530.2-1993
Air control:	≥ 0.1 MNs/m ³	ISO 5636.5, BS 6538.3
	Air barrier	AS/NZS 4200.1-2017
Vapour classification:	Class 2 - Class 3	AS/NZS 4200.1-2017
S _d value, equiv. air layer thickness:	0.25 -> 25 m	EN ISO 12572 (equiv. 1.25-125 MN.s/g)
Water vapour resistance (MVTR [†]):	1.25-125 MN.s/g	
Edge tear:	MD / CD [‡]	200 / 200 N EN 13859-1
Tensile strength:	MD / CD [‡]	6.8 / 4.4 kN/m EN 13859-1
Temperature resistance:	-40 °C to +80 °C	
Electrical conductivity:	Electrically non-conductive	AS/NZS 4200.1-2017

INTELLO® UTILISES HYDROSAFE™ TECHNOLOGY: The S_d at 70% RH falls between > 1.5 m and < 2.5 m

*back-diffusion refers to the summer condition when water vapour can migrate from outside to inside. Vapour is forced to the relatively cool inside by high external humidity and/or moisture from damp claddings combined with high external temperatures, †MVTR: Mean vapour transmission rate, ‡MD / CD: Machine direction / cross direction

IMPORTANT INFORMATION

- This product should not be exposed to UV or water during the construction or operation of the building.
- Class 2 to Class 3 humidity-variable air barrier.
- Lowest VOC rating in hazardous substance test (ISO 16000).
- Protected winter building sites thanks to Hydrosafe™ behaviour.

PRODUCT DESCRIPTION

INTELLO® is an air barrier with smart vapour control, forming part of an intelligent airtightness system (IAS) when joints are sealed with TESCON® VANA and junctions are sealed with ORCON® Classic.

The INTELLO® humidity-variable response is achieved by the polyethylene (PE) copolymer laminated on spun bonded polypropylene (PP).

WEATHER EXPOSURE

This product should not be exposed to UV or water during the construction or operation of the building.

APPLICATION NOTES

INTELLO® should be laid with the plastic film (the printed side) facing the installer. Airtight seals can only be achieved when INTELLO® is installed without folds, creases or tears.

Delivery Form

ID CODE	LENGTH	WIDTH	AREA	KG/ROLL	QTY
15467	20 m	1.50 m	30 m ²	3.5	1
13592	50 m	1.50 m	75 m ²	7	1
13594	50 m	3.00 m	150 m ²	14	1

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