



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\*



11 12 2020



Your local support

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Technical: support@proclima.co.nz | General: welcome@proclima.co.nz

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### Technical Data

Cover-fleece + protective-layer:	PP microfibre fleece	
Membrane:	PE copolymer	
Surface weight:	110 ± 20 g/m <sup>2</sup>	
Thickness:	0.4 ± 0.15 mm	
Flammability index:	< 5	AS 1530.2-1993
Air control:	≥ 0.1 MNs/m <sup>3</sup>	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 <sub>d</sub> value, equiv. air layer thickness:	0.25 -> 25 m	EN ISO 12572 (equiv. 1.25-125 MN.s/g)
Water vapour resistance (MVTR <sup>†</sup> ):	1.25-125 MN.s/g	
Edge tear:	MD / CD <sup>‡</sup>	200 / 200 N EN 13859-1
Tensile strength:	MD / CD <sup>‡</sup>	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<sub>d</sub> 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 <sup>2</sup>	3.5	1
13592	50 m	1.50 m	75 m <sup>2</sup>	7	1
13594	50 m	3.00 m	150 m <sup>2</sup>	14	1



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