



INTELLO® PLUS is a market leading intelligent air barrier for all construction types, providing superior energy and moisture control. INTELLO® PLUS maximises the performance of your thermal insulation, whilst restricting internal moisture entering the building envelope. INTELLO® PLUS 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



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Technical: support@proclima.com.au | General: welcome@proclima.com.au

www.proclima.com.au





### Technical Data

Protective and covering fleece:	Polypropylene		
Membrane:	Polyethylene copolymer		
Reinforcement:	Polypropylene non-woven fabric		
Surface weight:	110 ± 20 g/m <sup>2</sup>	EN 1849-2	
Thickness:	0.4 ± 0.15 mm	EN 1849-2	
Duty Classification	Light wall	AS/NZS 4200.1	
Flammability index:	<5	AS 1530.2	
Air control:	Air resistance	≥ 0.1 MN.s/m <sup>3</sup>	ISO 5636.5, BS 6538.3
	Classification	Air barrier	AS/NZS 4200.1
Vapour control classification:	Class 2 - Class 3	AS/NZS 4200.1	
S <sub>d</sub> value, equiv. air layer thickness:	0.25 - >25 m	EN ISO 12572	
Vapour permeance:	0.8 - <0.008 μg/N.s		
Edge tear:	MD / LD	373 / 258 N	TAPPI T470
Tensile strength:	MD / LD	7.9 / 5.3 kN/m	AS 1301.448s
Burst strength:		395 N	AS 2001.2.19
Heat shrinkage @ 70°C:	MD / LD	0.0% / 0.8%	ASTM D1204
Temperature resistance:		-40 °C to +80 °C	
Electrical conductivity:		Electrically non-conductive	AS/NZS 4200.1

INTELLO® PLUS 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.

### 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.
- This product is deemed non-combustible<sup>^</sup> as it is less than 1mm thick and has flammability index less than 5.
- Lowest VOC rating in hazardous substance test (ISO 16000).
- Protected winter building sites thanks to Hydrosafe® behaviour.

<sup>^</sup>According to NCC 2019 Vol 1 C1.9 (e)(vi), NCC 2019 Vol 2 3.7.1.1(f), NCC 2022 Vol 1 C2D10 (6)(f) & NCC 2022 Vol 2 H3D2 (1)(f)

### PRODUCT DESCRIPTION

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

The INTELLO® PLUS humidity-variable response is achieved by the polyethylene copolymer laminated on spun bonded polypropylene and reinforced with polypropylene mesh.

### APPLICATION NOTES

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

This product is suitable for use in BAL regions up to and including BAL FZ in accordance with AS 3959.

### Delivery Form

ID CODE	LENGTH	WIDTH	AREA	KG/ROLL	QTY
15468	20 m	1.50 m	30 m <sup>2</sup>	4	1
11367	50 m	1.50 m	75 m <sup>2</sup>	9	1
13590	50 m	3.00 m	150 m <sup>2</sup>	18	1



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