



INTELLO® X PLUS is a market leading UV stabilised intelligent air barrier for prefabricated panels as well as systems with exterior insulation build ups laid over the INTELLO® X PLUS, providing superior energy and moisture control with a humidity variable function. INTELLO® X PLUS maximises the performance of your thermal insulation, whilst restricting internal moisture entering the building envelope. INTELLO® X PLUS utilises Hydrosafe® technology, providing optimal protection against structural damage and mould, even in the event of unexpected moisture intrusion.

- ✓ Excellent UV resistance (60 days exposure)
- ✓ 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 2024



Your local support

1800 PRO CLIMA (776 254)

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Technical Data

Protective and covering fleece:	Polypropylene		
Membrane:	Polyethylene copolymer		
Reinforcement:	Polypropylene non-woven fabric		
Surface weight:	170 ± 20 g/m ²	EN 1849-2	
Thickness:	0.6 ± 0.15 mm	EN 1849-2	
Duty Classification	Medium	AS/NZS 4200.1	
Flammability index:	<5	AS 1530.2	
Air control:	Air resistance	≥ 0.1 MN.s/m ³	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 _d 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	490 / 308 N	TAPPI T470
Tensile strength:	MD / LD	10.0 / 6.1 kN/m	AS 1301.448s
Burst strength:		512 N	AS 2001.2.19
Temperature resistance:	-40 °C to +80 °C		
Electrical conductivity:	Electrically non-conductive	AS/NZS 4200.1	

INTELLO® X PLUS 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.

IMPORTANT INFORMATION

- This product may be exposed to UV and water during the construction phase for up to 60 days.
- Class 2 to Class 3 humidity-variable air barrier.
- This product is deemed non-combustible[^] 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.

[^]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® X PLUS is an air barrier with smart vapour control, forming part of an intelligent airtightness system when joints are sealed with TESCON® EXTORA and junctions are sealed with ORCON® Classic. The INTELLO® X PLUS humidity-variable response is achieved by the polyethylene copolymer laminated on spun bonded polypropylene and reinforced with polypropylene mesh.

WEATHER EXPOSURE

This product may be exposed to UV and water for up to 60 days during the construction or operation of the building.

APPLICATION NOTES

INTELLO® X PLUS should be laid with the plastic film (the printed side) facing the interior. Airtight seals can only be achieved when INTELLO® X 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
1AR03017	50 m	1.50 m	75 m ²	20	1



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