



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

04 589 8460 | 09 892 9900 | 03 327 4925

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<br>EN 13859-1             |
| Tensile strength:                                 | MD / CD <sup>‡</sup>        | 6.8 / 4.4 kN/m<br>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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