



# Class 1

## Building Product Information Sheet

Product name (include the brand name):

pro clima INTELLO® PLUS

Product description and its intended use (measurements, materials, usage):

The INTELLO Humidity Variable Intelligent Airtightness System utilises synthetic membranes for use as a humidity-variable vapour control layer and as part of an air barrier system fitted to the inside face of ceilings and external walls. The INTELLO membranes consist of a polyethylene copolymer with a polypropylene fleece backing. Accessories include adhesive, tapes and penetration seals, which are supplied as part of the system.

The purpose of the system is to reduce air infiltration through the building fabric to reduce heat loss and to control the diffusion of water vapour through the building envelope.

Benefits:

- 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
- Reinforced with polypropylene mesh to support blown-in insulation

Packaging:

The products are supplied in rolls 1.5 m wide x 20 m and 50 m long, and 3 m wide x 50 m long. The products are coloured white and are printed with the INTELLO or INTELLO PLUS logo repeated along the length of the roll. The rolls are wrapped in clear polythene film.

Product identifier (if applicable):

4026639154682, 4026639113672, 4026639135902

(This could be a Global Trade Item Number (GTIN) or quick response code (QR code), or any other distinguishable part/model number or identifier.)

Place of manufacture:  Aotearoa New Zealand  Overseas

Legal and trading name of the manufacturer(s):

MOLL bauökologische Produkte GmbH

Address for service:

STREET NAME Rheintalstraße 35 - 43

SUBURB

CITY, COUNTRY Schwetzingen, GERMANY

POSTCODE 68723

Website:

<http://www.proclima.com>

Email address:

[info@proclima.com](mailto:info@proclima.com)

Phone no. (if applicable):

+49 (0) 6202 2782-0

NZBN (if applicable):

N/A

Legal and trading name of the importer (if applicable):

Pro Clima (NZ) Ltd

Address for service:

STREET NAME Level 1, 47 The Esplanade

SUBURB Petone

CITY, COUNTRY Lower Hutt, New Zealand

POSTCODE 5012

Website:

www.proclima.co.nz

Email address:

welcome@proclima.co.nz

Phone no. (if applicable):

04 589 8460

NZBN (if applicable):

9429033909561

Relevant Building Code clauses:

- B2 DURABILITY: Performance clauses B2.3.1 (a) not less than 50 years, B2.3.1 (b) 15 years and B2.3.2.
- E3 INTERNAL MOISTURE: Performance clause E3.3.1
- F2 HAZARDOUS BUILDING MATERIALS: Performance clause F2.3.1.
- H1 ENERGY EFFICIENCY: Performance clause H1.3.1 (b).

Statement on how the building product is expected to contribute to compliance:

- B2.3.1 (a), (b) and B2.3.2: The INTELLO Humidity Variable Intelligent Airtightness System meets code compliance with NZBC Clause B2.3.1 (a) not less than 50 years when used behind internal linings with a NZBC durability requirement of not less than 50 years, e.g. linings for fire rated load-bearing walls; and code compliance with NZBC Clause B2.3.1 (b) 15 years when used where the internal lining durability requirement is 15 years, e.g. shower linings. Provided the internal lining is maintained in accordance with the lining manufacturer's instructions and the lining remains sound, the INTELLO Humidity Variable Intelligent Airtightness System is expected to have a serviceable life equal to that of the internal lining.
- E3.3.1: When used with an adequate combination of thermal resistance, ventilation and space temperature in habitable spaces, the INTELLO Humidity Variable Intelligent Airtightness System contributes to meeting this requirement. Although NZBC Clause E3 covers the accumulation of internal moisture, the NZBC Acceptable Solution E3/AS1 makes no specific reference to the requirements and characteristics of barriers to airflow within the concealed spaces in buildings, such as within the wall or ceiling structure. As with all buildings, appropriate levels of ventilation must be provided in buildings fitted with the INTELLO Humidity Variable Intelligent Airtightness System, in accordance with NZBC Performance Clause G4. Where there is a risk that passive ventilation options may not be utilised by building occupants, then installation of permanent ventilation solutions should be considered (e.g. mechanical ventilation systems).
- F2.3.1: The INTELLO Humidity Variable Intelligent Airtightness System meets this requirement.

- options for compliance set out in section 19 of the Act (regulations, acceptable solution, verification method)
- standard or technical document that describes the performance of the building product or the relevant specifications to which the building product was manufactured
- physical properties of the building product
- how the building product is intended to be used.

**Limitations on the use of the building product:**

The use of the INTELLO Humidity Variable Intelligent Airtightness System in buildings with high moisture loads such as swimming pools, commercial laundries and kitchens or with non-vented membrane roof coverings is not recommended. Contact Pro Clima (NZ) Ltd for use of the INTELLO Humidity Variable Intelligent Airtightness System in these building types.

**Design requirements that would support the appropriate use of the building product:**

The INTELLO Humidity Variable Intelligent Airtightness System is designed to be used as a vapour control layer and air barrier on buildings within the following scope:

- constructed with timber framing in accordance with NZS 3604, or to a specific engineering design; or
- constructed with steel framing in accordance with NASH Standard Part Two, or to a specific engineering design; and
- used on walls and ceilings which incorporate fibrous thermal insulation.

**Installation requirements** *(also provide link to the product installation guide):*

Refer to the INTELLO® Application instructions available from [www.proclima.co.nz](http://www.proclima.co.nz)

**Maintenance requirements** *(also provide link to the product maintenance guide):*

There are no specific maintenance requirements. The product is covered or protected by the subsequent layers of the building assembly and is inaccessible while in service.

Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004?:

Yes  No

If yes, description of the warning or ban under section 26:

N/A

Version:

1

Date:

1 | 9 | 1 | 2 | 2 | 3