Pro Clima Intelligent Airtightness System

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SWARTSPEC

1 Specification Details

Trade Sections: Carpentry, Roofing, Cladding & PreCladding
Description:
Keywords: Carpentry, Concrete, Roofing, pro clima, proclima, ProClima, damp proof membranes, damp-proof membranes, underslab damp proof membranes, underslab damp-proof membranes, under-slab damp proof membranes, under-slab damp-proof membranes, concrete damp proof membranes, concrete damp-proof membranes, concrete underlay, polythene concrete underlay, polythene damp proof membranes, polythene damp-proof membranes, damp proof course, damp-proof course, bitumen damp proof course, bitumen damp-proof course, polyethylene damp proof course, polyethylene damp-proof course, insulation, foil insulation, insulation foil, underfloor insulation, underfloor foil insulation, underfloor insulation foil, under-floor insulation, under-floor foil insulation, under-floor insulation foil, under floor insulation, under floor foil insulation, under floor insulation foil, reflective foil insulation, underfloor reflective foil insulation, under-floor reflective foil insulation, under floor reflective foil insulation, building paper, kraft paper, bitumen building paper, bitumen kraft paper, synthetic wall underlay, synthetic wall wrap, reflective foil underlay, synthetic roof underlay, synthetic roofing underlay, synthetic building wrap, reflective foil roof underlay, reflective foil roofing underlay, non-rigid wall underlay, non-rigid roof underlay, non-rigid roofing underlay, non rigid wall underlay, non rigid roof underlay, non rigid roofing underlay, vapour control layer,vapour-control layer, insulating vapour control layer, insulating vapour-control layer, reflective insulating vapour control layer, reflective insulating vapour-control layer, safety mesh, stucco plaster slip layer, stucco plaster slip-layer, stucco slip layer, stucco slip-layer, slip layer, slip-layer, stucco plaster non rigid backing, stucco plaster non-rigid backing, stucco non rigid backing, stucco non-rigid backing, slip layer, non-rigid backing, non rigid backing, roofing mesh, roof safety mesh, underlay support, underlay strapping, wall wraps, building wraps, external wraps, cavity wraps, external wall wraps, framing wraps, underlays, building underlays, cladding underlays, roofing underlays, wall underlays, external wall underlays, external underlays, cavity underlays, weathertight building underlays, weather-tight building underlays, weather tight building wraps, weather-tight building wraps, intello, dasastop, solitex, mento, tscon, extora, extoseal, db+, intello connex, extasana, adhero, roflex

2 Clauses

2.1 Scope

Help Note:
For technical advice and specification guidance contact Pro Clima on 09 892 9900 or email welcome@proclima.co.nz

For technical information on products to attach to this project, please visit https://proclima.co.nz/

2.1.1 Scope

Supply and install Pro Clima Intellegent Airtightness System (IAS), as specified herein, to the locations and details shown on the design drawings, complete with all necessary components and accessories required for proper installation and performance. All aspects of this work shall comply with the New Zealand Building Code (NZBC), related Pro Clima technical literature, and applicable standards, including but not limited to AS/NZS 4200.1:2017 for building membranes and AS/NZS 4200.2:2017 for installation requirements.

This specification shall reference all relevant Pro Clima technical documents, including installation guides, product data sheets, and BRANZ Appraisal No. 1149 (2021). These documents collectively define the 'Technical Literature' for the Pro Clima Intelligent Airtightness System (IAS). Refer to Pro Clima (NZ) Ltd at www.proclima.co.nz, email support@proclima.co.nz, or call 0800 PRO CLIMA (806 595) for the latest editions.

No substitutions are permitted for the Pro Clima Intelligent Airtightness System (IAS)

The Pro Clima Intelligent Airtightness System (IAS) is designed for use in residential, commercial, and industrial buildings to reduce air infiltration, enhance thermal performance, and manage moisture within the building envelope. For applications outside the scope of this specification, consult Pro Clima (NZ) Ltd for technical support.

Refer to the contract documents for specific locations and applications of the system components.

2.1.2 Scope - Passive House

Supply and install Pro Clima Intelligent Airtightness System (IAS), as specified herein, to the locations and details shown on the design drawings, complete with all necessary components and accessories required for proper installation and performance. The system shall be designed and installed to meet the airtightness requirements of Passive House certification, achieving an airtightness level of ≤ 0.6 ACH at 50 Pa. All aspects of this work shall comply with the New Zealand Building Code (NZBC), related Pro Clima technical literature, and applicable standards, including but not limited to AS/NZS 4200.1:2017 for building membranes and AS/NZS 4200.2:2017 for installation requirements.

This specification shall reference all relevant Pro Clima technical documents, including installation guides, product data sheets, and BRANZ Appraisal No. 1149 (2021). These documents collectively define the 'Technical Literature' for the Pro Clima Intelligent Airtightness System (IAS). Refer to Pro Clima (NZ) Ltd at www.proclima.co.nz, email support@proclima.co.nz, or call 0800 PRO CLIMA (806 595) for the latest editions.

No substitutions are permitted for the Pro Clima Intelligent Airtightness System (IAS).

The Pro Clima Intelligent Airtightness System (IAS) is designed for use in residential, commercial, and industrial buildings, including those requiring Passive House certification, to reduce air infiltration, enhance thermal performance, and manage moisture within the building envelope. The system includes airtight membranes, tapes, sealants, and grommets, specifically designed to create a continuous air barrier while allowing dynamic vapour control to protect the building structure. For applications outside the scope of this specification, consult Pro Clima (NZ) Ltd for technical support.

Airtightness testing shall be conducted during and after installation, as specified in the design documents, to verify compliance with Passive House performance requirements.

Refer to the contract documents for specific locations and applications of the system components.

2.1.3 Extent of Work

The following is a list and a general description of the extent of the Pro Clima Intelligent Airtightness System (IAS), which are more specifically defined in the contract documents, required for the completion of the contract works:

- Installation of airtightness membranes as shown in the contract drawings.
- Sealing of all overlaps, junctions, penetrations, and other connections using specified tapes, adhesives, and grommets.
- Verification of airtightness through blower door testing as per AS/NZS 9972.
- Any other components or accessories necessary to achieve the system’s design performance.

2.2 Requirements

Help Note:
For technical advice and specification guidance contact Pro Clima on 09 892 9900 or email welcome@proclima.co.nz

2.2.1 Safety

Comply with the Health and Safety at Work Act 2015 (HSWA), and with all relevant Health and Safety at Work Regulations 2016, and with all relevant WorkSafe New Zealand (WorkSafe) Approved Codes