

10 product integrated solution designed to assist with the passive control of air and moisture

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Level of assurance needed to demonstrate NZ Building Code Compliance

Supporting documentation should include self-assessment and technical information by manufacturer



Kingspan Thermakraft confirms that this minimum level of assurance has been met or exceeded by the following:

BRANZ Appraisal

[962](#)



masterspec partner

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Technical Statement

Product Description

Kingspan's Thermakraft One Wrap System is a 10 product integrated solution designed to assist with the passive control of air and moisture in buildings constructed in compliance with E2/AS1 and NASH Building Envelope Solutions and the requirements of all relevant compliance documents.

Scope of use

The Thermakraft One Wrap System has been developed for use as a flexible wall underlay system on timber and steel framed buildings within the following scope:

- the scope limitations of NZBC Acceptable Solution E2/AS1, Paragraph 1.1 with regards to building height and floor plan area; and
- with direct fixed absorbent wall claddings; or
- with direct fixed non-absorbent wall claddings (for Watgate Plus and Covertek 403 wall underlays), or direct fixed non-metallic, non-absorbent wall claddings (Thermakraft 220); or
- with absorbent and non-absorbent wall cladding installed over an 18 mm minimum drained cavity; or
- with masonry veneer in accordance with NZBC Acceptable Solution E2/AS1 for timber framed buildings or specific design for steel framed building; and
- situated in NZS 3604 Wind Zones up to and including 'Very High'.

The Thermakraft One Wrap System has been appraised for use as a flexible wall underlay system over rigid wall underlays on timber and steel framed buildings.

The Thermakraft One Wrap System is also suitable for use on buildings subject to specific weather tightness design. Building designers are responsible for the building design and for the incorporation of the Thermakraft One Wrap System into their design in accordance with the declared properties and the instructions of Kingspan Insulation NZ Limited.

New Zealand Building Code (NZBC)

The product will, if employed in accordance with the supplier's installation and maintenance requirements, assist with meeting the following provisions of the building code:

- **Clause B2 Durability:** Performance B2.3.1(a), B2.3.1(b)
Clause B2 DURABILITY: Performance B2.3.1 (a) not less than 50 years, B2.3.1 (b) 15 years and B2.3.2. The Thermakraft One Wrap System meets these requirements.
- **Clause E2 External moisture:** Performance E2.3.2
Clause E2 EXTERNAL MOISTURE: Performance E2.3.2. When used as part of the wall cladding system, The Thermakraft One Wrap System will contribute to meeting this requirement.
- **Clause F2 Hazardous building materials:** Performance F2.3.1
Clause F2 HAZARDOUS BUILDING MATERIALS: Performance F2.3.1. The Thermakraft One Wrap System meets this requirement.

Evidence

The product meets the requirements set out in the following documents, or relevant parts of cited standards within the documents:

The Kingspan Thermakraft One Wrap System is a selection of Thermakraft products that if used in accordance with good design, correct product selection and installed in accordance with the installation instructions will meet, or contribute to meeting, the provisions of the New Zealand Building Code.

BRANZ Appraised (962)

Supporting Evidence

The product has and can make available the following additional evidence to support the above statements:



BRANZ Appraisal

[962](#)

Product Criteria

Design requirements

[One Wrap System Data Sheet](#)

Installation requirements

[One Wrap System Data Sheet](#)

Maintenance requirements

No regular maintenance required.

Warrantees

[Kingspan Thermakraft Warranty Statement](#)

Company Product Information

Quality Assurance



ISO 9001 (Quality Management)

Relationships



Member of New Zealand Green Building Council



Date last validated: **09 October 2023**



Date last updated: **09 October 2023**

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