

Lightweight, fire retardant, absorbent, breathable wall underlay

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Level of assurance needed to demonstrate NZ Building Code Compliance

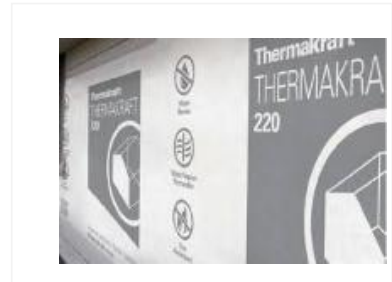
Supporting documentation should include self-assessment and technical information by manufacturer



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

BRANZ Appraisal

[912](#)



masterspec partner

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Technical Statement

Product Description

Kingspan Thermakraft 220 is a lightweight, fire retardant wall underlay for use behind exterior wall cladding. It is designed to keep water out while allowing water vapour to escape the wall cavity.

Scope of use

Thermakraft 220 can be used as a wall underlay on both residential and commercial buildings within the following scope:

- Can be directly fixed to timber and steel framing.
- With absorbent wall claddings (e.g. timber, brick or fibre cement) or non-absorbent wall claddings (e.g. metal or plastic).
- Suitable for use in conjunction with 18mm minimum drained cavity.
- With masonry veneer in accordance with NZS 3604, NZBC Acceptable Solution E2/AS1.
- Situated in NZS3604 Building Wind Zones up to (and including) 'Very High' when used as a standalone flexible underlay, and "Extra High" when used as a flexible underlay over a rigid wall underlay.
- Is suitable to be used in conjunction with thermal breaks on steel framed buildings.

Refer to BRANZ Appraisal No 912 (2021) for full details.

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), B2.3.2
Clause B2 DURABILITY: Performance B2.3.1 (a) not less than 50 years, B2.3.1 (b) 15 years and B2.3.2. Thermakraft 220 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 cladding system, Thermakraft 220 will contribute to meeting this requirement.
- **Clause F2 Hazardous building materials:** Performance F2.3.1
Clause F2 HAZARDOUS BUILDING MATERIALS: Performance F2.3.1. Thermakraft 220 meets this requirement.

Evidence

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

Thermakraft 220 has been appraised with the scope limitations of NZBC Acceptable Solution E2/AS1, Paragraph 1.1, with regards to building height and floor plan area.

Thermakraft 220 has also been BRANZ Appraised for use on buildings subject to specific weathertightness design.

Building designers are responsible for the building design and for the incorporation of Thermakraft 220 into their design in accordance with the declared properties and the instructions of Thermakraft Limited.

Refer to BRANZ Appraisal No 912 (2021).

Supporting Evidence

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

BRANZ Appraisal



912

Product Criteria

Design requirements

[Thermakraft 220 Data Sheet](#)

Installation requirements

[Thermakraft 220 Install Guide](#)

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: **10 October 2023**



Date last updated: **09 October 2023**

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