

Lightweight, fire retardant, absorbent, breathable wall underlay

[View miproducts listing](#)



Level of assurance needed to demonstrate NZ Building Code Compliance

Supporting documentation should include technical information by manufacturer and either a BRANZ or independent Appraisal or CodeMark



Kingspan Thermakraft confirms that this minimum level of assurance has been met or exceeded by the following:
BRANZ Appraisal
[912](#)



The following information has been provided by Kingspan Thermakraft demonstrating how this product complies with the [Building Product Information Requirements](#).

Technical Statement

Product Class

CLASS 1

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.

Notes

Meets the Performance Requirements of NZBC Clauses B2, Durability (B2.3.1 (a) 50 years, B2.3.1 (b) 15 years and B2.3.2), E2 External Moisture (E2.3.2), and F2 Hazardous Building Materials F2.3.1, providing:

- It is not damaged.
- Installed in accordance with instruction guide.
- Is not left exposed for more than 60 days.
- Installed by or under guidance of Licensed Building Practitioners.
- Is compatible with cladding system used.*

* Note: specifiers and product user must test for wall cladding system compatibility with the underlay before installation.



masterspec partner

Company Contact Details



Company: Kingspan Insulation New Zealand Ltd
Physical Address: 11 Turin Place
Otara
Auckland
Postal Address: PO Box 12825
Penrose
Auckland
Email: technical@kingspaninsulation.co.nz
Website: www.kingspaninsulation.co.nz

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

Building Product Information Requirements

Manufacturer

Legal Trading Name:

Kingspan Insulation New Zealand Ltd

Business Email:

technical@kingspaninsulation.co.nz

Company Website:

www.kingspaninsulation.co.nz

Contact Number/s:

0800 806595

Product Identifier

TK2201370075 TK2202740100

Warnings

This product has no warnings associated with it.



Date last validated: 08 July 2025



Date last updated: 08 July 2025

Kingspan Thermakraft 220

Product Technical Statement: 112594



Disclaimer: The Product Technical Statement (PTS) template is copyright to Construction Information Limited. However the content of this PTS is the responsibility of the product manufacturer/supplier. Refer to the miproducts Terms and Conditions