

Lightweight, fire retardant, absorbent, breathable wall underlay

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Level of assurance needed to demonstrate NZ Building Code Compliance

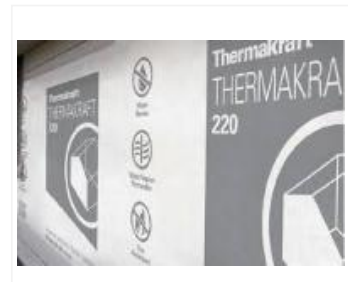
Supporting documentation should include technical information by manufacturer and either a BRANZ or independent Appraisal or CodeMark



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

BRANZ Appraisal

[912](#)



Company Contact Details

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Technical Statement

Product Description

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Scope of use

Can be used on residential or commercial buildings.

Can be direct fixed to timber or steel framing, with absorbent and non-absorbent wall claddings and masonry veneer in accordance with NZ3604 NZBC Acceptable Solution E2/AS1.

Suitable for use in conjunction with an 18mm minimum drained cavity.

Suitable for use use to and including "Very High" wind zone when used as a standalone flexible underlay, and "Extra High" when used as a flexible underlay over a rigid wall underlay.

Suitable to be used in conjunction with thermal breaks on steel framed buildings.

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 E2 External moisture:** Performance E2.3.2
- **Clause F2 Hazardous building materials:** Performance F2.3.1

Evidence

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

Meets NZBC Acceptable Solution E2/AS1. BRanz Appraised No 912

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

Product Advantage:

- Can be used as a wall underlay on timber with absorbent wall claddings direct fixed to framing.
- Can be used as a wall underlay on timber with absorbent and non-absorbent non-metallic wall claddings installed over an 18mm minimum drained cavity.
 - Note: must not be used as a roof underlay
- Is suitable for use in all Building Wind Zones of NZS3604 up to, and including 'Very High'.

Flammability:

- Thermakraft 220 Wall Underlay has an AS 1530 Part 2 Flammability Index of not greater than 5 and therefore meets the requirements of NZBC Acceptable Solutions C/AS2 to C/AS6, Paragraph 4.17.8 b), for the surface finish requirements of suspended flexible fabric used as an underlay to exterior cladding that is exposed to view in occupied spaces. It may therefore be used with no restrictions in all buildings.

Installation requirements

Thermakraft 220 must be fixed with printed side out and the non-printed side to the frame. Must be applied to all exterior walls from below bearers to the top plate. Fix securely to the frame with fasteners such as galvanized Little Grippers, 6mm-8mm staples or 20mm large head galvanized clouts at 300mm centres horizontally and vertically.

Additional fasteners should be used around each opening to be cut out. If using either 2740mm or 1370mm width, a minimum of 150mm lap is required at joins and all vertical laps must be made over studs. Make good repairs on any forced tears with White GP Tape. Insure it is wide enough to cover the height of a standard wall from below the bottom plate to the top plate. Initially, cover all windows and door openings. Use extra fastenings around each window or door opening to be cut out. It is recommended that the wall underlay is not cut and prepared for window installation until the arrival of the windows.

Maintenance requirements

No regular maintenance required.

Warrantees

Thermakraft Warranty Statement

https://www.thermakraft.co.nz/_assets/img/WARRANTY%20New%20Zealand%202020.pdf

Company Product Information

Environmental

Thermakraft 220 has no known negative environment conditions

Thermakraft 220 has no VOCs in manufacture installation or use

Thermakraft 220 is recyclable at end of life with no harmful residue

Quality Assurance



ISO 9001 (Quality Management)

Relationships



Member of New Zealand Green Building Council



New Zealand Made



Date last validated: **13 October 2023**



Date last updated: **10 October 2023**

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