

Fire retardant synthetic roof and wall underlay. Self supporting when used as a roof 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



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

CodeMark

[CMNZ 30030](#)

BRANZ Appraisal

[743](#)



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

Covertex 405 is a premium synthetic roof and wall underlay designed as a means of managing condensation, water vapour transfer and water ingress. It is self-supporting, stable and shrink resistant and can be installed in applications where the roof pitch is 3° and above.

Scope of use

Roof Application

- Suitable with masonry tile, metal tile and profiled metal roof cladding.
- Suitable for timber or steel framed buildings.
- Can be used on roofs up to and including NZS 3604 'Extra High' wind zones.
- Self-supporting - Refer to installation guide regarding underlay support requirements.
- Not suitable for roof pitch less than 3 degrees.
- Will provide temporary weather protection during construction (maximum 7 days), same day coverage recommended.

Wall Application

- Can be used with timber and steel framing, either direct or in conjunction with an 18mm minimum drained cavity.
- Suitable with absorbent (e.g. timber, brick or fibre cement) or non-absorbent wall claddings (e.g. metal or plastic).
- Suitable with masonry veneer in accordance with NZBC Acceptable Solution E2/AS1 or NASH Building Envelope Solutions.
- Is suitable for use in Wind Zones of NZS 3604 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 as an air barrier in unlined wall spaces.
- Will provide some temporary weather protection during construction (maximum 60 days for wall application).

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), B2.3.1(c)

Clause B2 DURABILITY: Performance B2.3.1 (a), not less than 50 years, B2.3.1 (b), 15 years and B2.3.2. Covertex 405 Roof and Wall Underlay meets these requirements.

- **Clause C3 Fire affecting areas beyond the fire source:** Performance C3.4(c)

Clause C3 FIRE AFFECTING AREAS BEYOND THE FIRE SOURCE: Performance C3.4 (c). Covertex 405 Roof and Wall Underlay meets this requirement.

- **Clause E2 External moisture:** Performance E2.3.2



masterspec partner

Company Contact Details



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Clause E2 EXTERNAL MOISTURE: Performance E2.3.2. When used as part of the roof or wall cladding system, Covertex 405 Roof and Wall Underlay will contribute to meeting this requirement.

- **Clause F2 Hazardous building materials:** Performance F2.3.1

Clause F2 HAZARDOUS BUILDING MATERIALS: Performance F2.3.1. Covertex 405 Roof and Wall Underlay meets this requirement and will not present a health hazard to people.

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), C3 Fire affecting areas beyond the fire source C3.4 (c) E2 External Moisture, and F2 Hazardous Building Materials F2.3.1/C, providing:

- It is not damaged. Is installed in accordance with instructions.
- Is not left exposed for more than 7 days (roof), same day coverage recommended.
- Is not left exposed for more than 60 days (wall).
- Is 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.

Evidence

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

Roof Application

- Can be used as an underlay within the scope limitations of NZBC Acceptable Solution E2/AS1, Paragraph 1.1, with regards to building height and floor plan area.
- Or within the scope of NASH Building Envelope Solutions, Paragraph 1.1 for steel framed buildings.

Wall Application

- Can be used as a wall underlay within the scope limitations of NZBC Acceptable Solution E2/AS1, Paragraph 1.1, with regards to building height and floor plan area.
- Or within the scope limitations of NASH Building Envelope Solutions, Paragraph 1.1 for steel framed buildings.

Refer BRANZ Appraisal No 743 (2019) and CodeMark Certificate CMNZ 30030 RevH

Supporting Evidence

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



CodeMark
[CMNZ 30030](#)



BRANZ Appraisal
[743](#)

Product Criteria

Design requirements

[Covertex 405 Data Sheet](#)

Installation requirements

[Covertex 405 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



New Zealand Made

Building Product Information Requirements

Manufacturer

Legal Trading Name:

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Company Website:

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Contact Number/s:

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Product Identifier

CTK1250025 CTK1250050 CTK2550075

Warnings

This product has no warnings associated with it.



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