

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

[View miproducts listing](#)



## 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:

CodeMark  
[CMNZ 30030 RevH](#)  
BRANZ Appraisal  
[743](#)



## Technical Statement

### 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  
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.

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](mailto:technical@kingspaninsulation.co.nz)

Website: [www.kingspaninsulation.co.nz](http://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:

### 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 RevH](#)



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



Date last validated: **09 October 2023**



Date last updated: **09 October 2023**

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