

Fire retardant high strength insulating, light diffusing, white faced foil

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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

[1000](#)

Technical Statement

Product Description

Thermabar 397 is a high strength foil wall and roof underlay used in commercial and industrial buildings to provide a vapour control layer.

The product is designed to give a clean white finish enhancing natural light reflection when exposed in warehouse situations.

Thermabar 397 is self-supporting and fire retardant.

Scope of use

Thermabar 397 can be used in commercial and industrial buildings within the following scope:

- Constructed with timber or steel framing.
- Used in conjunction with profiled metal roof and wall claddings. Where adequate ventilation and moisture and condensation control is provided to the building interior for the intended use.
- Situated in NZS 3604 Wind Zones up to and including 'Extra High'.
- Thermabar 397 is generally used in buildings where a means of secondary weather defence is not required. In these situations, it can be used under roofing at any pitch. Where it is used as part of the cladding system, the designer is responsible for the design using the product property performance.

Refer to the NZ Metal Roof and Wall Cladding Code of Practice for advice when used in contact with profiled metal roof cladding.

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)
Clause B2 DURABILITY: Performance B2.3.1 (b), 15 years and B2.3.2. Kingspan Thermakraft Thermabar 397 meets these requirements.
- **Clause C3 Fire affecting areas beyond the fire source:** Performance C3.4(a)
Clause C3 FIRE AFFECTING AREAS BEYOND THE FIRE SOURCE: Performance C3.4 (c). Kingspan Thermakraft Thermabar 397 meets this requirement.
- **Clause E2 External moisture:** Performance E2.3.2
- **Clause F2 Hazardous building materials:** Performance F2.3.1
Clause F2 HAZARDOUS BUILDING MATERIALS: Performance F2.3.1. Kingspan Thermakraft Thermabar 397 meets this requirement.

Evidence

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

When Thermabar 397 is used, installed and maintained in accordance with Kingspan Thermakraft literature and BRANZ Appraisal, the product will meet or contribute to meeting the following provisions of the NZBC:

- Clause B2 Durability: Performance B2.3.1 (b), 15 years and B2.3.2. Kingspan Thermabar 397 meets these requirements.
- Clause C3 Fire Affecting Areas Beyond the Fire Source: Performance C3.4 (c). Kingspan Thermabar 397 meets this requirement.
- Clause F2 Hazardous Building Materials: Performance F2.3.1. Kingspan Thermabar 397 meets this requirement and will not present a health hazard to people.

Refer BRANZ Appraisal No.1000 [2018] for full details



masterspec partner

Company Contact Details



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Supporting Evidence

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



BRANZ Appraisal
[1000](#)

Product Criteria

Design requirements

[Thermabar 397 Data Sheet](#)

Installation requirements

[Thermabar 397 Install Guide](#)

Maintenance requirements

No regular maintenance required.

Warrantees

[Kingspan Thermakraft Warranty Statement](#)

Company Product Information

Quality Assurance



ISO 9001 (Quality Management)

Relationships



New Zealand Made



Member of New Zealand Green Building Council



Date last validated: **09 October 2023**



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