

A full proprietary warm-roof-on-steel tray system.

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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



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

BRANZ Appraisal  
[713 \(2018\)](#)



## Technical Statement

### Scope of use

The Viking WarmSpan System is designed for use as an insulating roof on buildings within the following scope:

- the scope limitations of NZBC Acceptable Solution E2/AS1, Paragraph 1.1 with regards to building height and maximum floor plan areas; and,
- on limited access flat roofs with steel structural decks subject to specific structural design; and,
- with roofs constructed to drain water to gutters and drainage outlets complying with the NZBC; and,
- with roofs constructed to suitable falls (refer paragraph 15.3 and 15.4 of the Warm Roof BRANZ Appraisal); and,
- with no integral roof gardens; and,
- situated in NZS 3604 Building Wind Zones, up to, and including Extra High.

The Viking WarmSpan System has also been appraised for durability and thermal performance as an insulated roofing system on buildings that are the subject of specific design with no building height restriction. Building designers are responsible for the building design and for the incorporation of the Viking WarmSpan System into their design in accordance with the declared properties and instructions of Viking Roofspec.

The Viking WarmSpan System must be installed by Viking Roofspec Licensed and Trained installers.

### 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 B1 Structure:** Performance B1.3.1
- **Clause B2 Durability:** Performance B2.3.1, B2.3.1(b)
- **Clause E2 External moisture:** Performance E2.3.1, E2.3.2
- **Clause F2 Hazardous building materials:** Performance F2.3.1
- **Clause H1 Energy efficiency :** Performance H1.3.1, H1.3.1(a)

### Supporting Evidence

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



BRANZ Appraisal  
[713 \(2018\)](#)

## Product Criteria

### Design requirements

Product specification and incorporation of Viking WarmSpan into the building design shall be carried out by a designer/architect/engineer or a building professional who:

- Is qualified to design the building under the 'Scope' of use of this product.
- Has ready access to the technical specifications including installation details and standards referenced in the BRANZ Appraisal No. 713 (2018) where the design limitations are outlined for the scope of this PTS.

[Click here for a comprehensive list of Viking WarmSpan accessories.](#)

### Installation requirements

Installation shall be carried out by a Viking Roofspec trained and licensed installer. Installation shall be undertaken in accordance with all relevant technical information related to the selected installation

## masterspec partner

### Company Contact Details

**Viking WarmSpan**

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method, including information contained within the appraisal. Long term properties of the material may be affected by contact with petroleum-based products such as oils, greases and solvents.

## Maintenance requirements

The membrane roof system must be regularly checked (at least annually) for damage, rubbish and debris. Damage, such as small punctures and tears must be repaired and coatings reapplied as recommended by Viking Roofspec Ltd. Special care must be taken when inspecting the membrane roof systems to ensure the continuing prevention of moisture ingress, and repairs must be undertaken when required. Drainage outlets must be maintained to operate effectively.

## Warrantees

The Viking WarmSpan System is backed by a 20-year product warranty. For specific projects, Viking WarmSpan can be eligible to be covered by Viking's Full System Warranty, which covers the product and installation in one document (conditions apply).

## Company Product Information

### Environmental

- Reduction in energy consumption - less energy required for air conditioning and heating.
- The thermal performance of the WarmSpan system helps towards achieving Green Star points for a building.
- As a WarmSpan roof is insulated from the outside of the building, thermal performance is increased.
- WarmSpan polyiso has an R-value of 1.00 per 25mm thickness when new, and a long term thermal resistance of 0.95 per 25mm thickness.
- No CFC's in the manufacture of WarmSpan.
- Various other environmental benefits as a result of using Viking Enviroclad membrane. For a list of these, [check the 'Environmental' section of the Enviroclad PTS here.](#)

### Quality Assurance



ISO 9001 (Quality Management)

### Relationships



Member of New Zealand Green Building Council



Date last validated: **06 July 2020**



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