

Complies with E2 as an Alternative Solution. BRANZ Appraised - Certificate No. 276



BRANZ Appraised
Appraisal No.276 [2012]

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Viking CertainTeed Asphalt Shingles

Technical Statement

Product Description

CertainTeed asphalt shingles are fibreglass-reinforced with a ceramic mineral-chip surface and a UV resistant coating.

A lightweight roofing system, CertainTeed shingles are mildew, corrosion and high-impact resistant. Ice dam technology and multiple overlapping shingle layers ensure a CertainTeed shingles roof can endure the greatest temperature extremes. CertainTeed shingles comply with the Building Code's (G12) potability clause, so can be used for the collection of drinking water.

The CertainTeed system includes plywood or SuperStrand*, roofing underlay and accessories including CertainTeed's proprietary ridge ventilation system. The durable and light-weight plywood substrate braces the building and negates the need for extra structural requirements for heavy-weight roofing materials. CertainTeed shingles deliver a watertight finish as they are double-lapped and applied on top of a watertight bituminous underlay barrier.

CertainTeed shingles are suitable for residential and commercial pitched roofs and can be used as a reroofing solution.

Other features:

CertainTeed Shingles are backed by product warranties of up to 50 years and for specific projects, are eligible for Viking's Full System Warranty, which covers the product and installation in one document. CertainTeed shingles are BRANZ Appraised (no. 276, 2012).

The CertainTeed range includes four profiles in a range of colours. They have been assessed by the independent Underwriters Laboratory (U.L.), assessing their collective resistance to wind, uplift, UV and impact. See the "Environmental" section of this statement for a list of environmental benefits.

(*SuperStrand is the best option as it has been designed in New Zealand specifically as a substrate for asphalt shingles).

Scope of use

Viking CertainTeed asphalt roofing shingles have been appraised as a roof cladding for buildings within the following scope:

- The scope limitations of NZBC Acceptable Solution E2/AS1 Paragraph 1.1, with regard to floor plan area and building height; and,
- Constructed with timber roof framing and plywood sheathing complying with the NZBC; and,
- Where the roof slope is 9 degrees or greater; and,
- Situated in NZS 3604 Wind Zones up to and including High, or Extra High for the Landmark series, Highland Slate and Independence shingles only.

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, B1.3.2, B1.3.3, B1.3.4
- Clause B2 Durability: Performance B2.3.1, B2.3.1(b)
- Clause E2 External moisture: Performance E2.3.1, E2.3.2, E2.3.6
- Clause F2 Hazardous building materials: Performance F2.3.1

Supporting Evidence

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

Product Criteria

Design requirements

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

- Is qualified to design the buildings covered 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. 276 (2012) where the design limitations are outlined for the scope of this PTS.

The CertainTeed system incorporates a range of accessories including vents, underlay and flashings to name a few

Installation requirements

Installation shall be carried out by a Viking trained installer.

- Installation shall be undertaken in accordance with all relevant technical information related to the selected installation method, including information contained within the BRANZ Appraisal No. 276 (2012).

Maintenance requirements

- Little maintenance should be required apart from the removal of lichen, moss and organic growth that may become established and the removal of accumulations of the stone granules in spouting.
- Annual inspections must be made to ensure that all aspects of the roof cladding, including the pre-finished coating, the flashings and any joints remain in a weatherproof condition. Any damaged areas or areas showing signs of deterioration which would allow water ingress must be repaired immediately.
- A water-based chemical treatment recommended by Viking Roofspec as being suitable for use with bitumen-based products must be used for the removal of organic material. Petroleum-based solvents or cleaners must not be used.
- Long term properties of the material may be affected by contact with petroleum-based products such as oils, greases and solvents.

Warranties

The Viking CertainTeed asphalt shingles system is backed by product warranties ranging from 20-50 years (depending on the profile). For specific projects, CertainTeed may be eligible to be covered by Viking's Full System Warranty. This warranty covers the product and installation in one document, for a 20-year period.

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CAD Details

Please visit our website www.vikingroofspec.co.nz or our masterspec listing for our latest CAD Roofing details.

Company Product Information

Environmental

- By utilising what would otherwise be waste materials, such as slag residue from oil refining, the manufacturing process of CertainTeed shingles reduces land fill waste and greenhouse gas emissions.
- At the end of their serviceable life, shingles can be overlaid (special conditions apply), avoiding the dumping of inorganic materials.
- Lighter colours in the CertainTeed range; many of which carry US CoolStar energy ratings, reduce the energy required to cool a building.
- CertainTeed asphalt shingles meet the AS/NZS 4020 testing of products for use in contact with drinking water standard, so they can be used for BRANZ Appraisal 276 (2012) Viking Roofspec CertainTeed Asphalt Shingles Product Technical Statement: 102460 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 the collection of drinking water.
- CertainTeed Shingles have a potable water certificate so that drinking water can be collected.