

VELUX VCM low pitch opening skylights

Product Technical Statement: 102380



Low pitch opening skylights

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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



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

CodeMark

[CM - 1008](#)

BRANZ Appraisal

[968](#)

VELUX

[Technical data](#)



masterspec partner

Company Contact Details



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Technical Statement

Product Description

Manual opening skylight for roof pitches between 0 and 60 degrees

Scope of use

For use on roof pitches 0-60 degrees. (It is recommended for roof pitches below 5 degrees for the skylight to be pitched to 5 degrees minimum to ensure an improved water runoff and to limited ponding on the glass)

VCM skylights are not fire rated but can be used under New Zealand Building Code C/AS2 Part 5 in Risk Group SH buildings

VCM skylights have been tested for impact, but cannot be regarded as part of a trafficable roof surface.

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, B2.3.2
Product is CodeMark Certified. (BRANZ CM-1008)
- **Clause E2 External moisture:** Performance E2.3.1, E2.3.2, E2.3.7
Product is CodeMark Certified. (BRANZ CM-1008)
- **Clause G4 Ventilation:** Performance G4.3.1, G4.3.3
Product is CodeMark Certified. (BRANZ CM-1008)
- **Clause G7 Natural light:** Performance G7.3.1, G7.3.2
Product is CodeMark Certified. (BRANZ CM-1008)
- **Clause H1 Energy efficiency :** Performance H1.3.1, H1.3.2E, H1.3.3
Product is CodeMark Certified. (BRANZ CM-1008)

Notes

B2.3.1(b) - 15 years, 10 year warranty on all VELUX skylights

[Product Technical Statement](#)

Evidence

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

- B2/AS1 Durability - AS 4285 - VELUX Skylights satisfy the durability requirements specified for Non-structural Roof Cladding elements and External Window/Door Joinery. VELUX Skylights have passed tests for weather tightness, concentrated load, non-cyclonic and cyclonic wind pressures according to Australian Skylight Standard AS4285 test methods.
- E2 External Moisture - AS 4285 - VELUX Skylights have passed tests for weather tightness, concentrated load, non-cyclonic and cyclonic wind pressures according to Australian Skylight Standard AS4285 test methods.
- F2 Hazardous Building Materials - NZS 4233: Part 4, AS/NZS 4666 - VELUX Skylights comply with requirements for sloped Insulating Glass Units.
- G4/AS1 Natural Ventilation (1.2, 2.1) - VELUX Opening Skylights can be used to meet the G4 Natural Ventilation requirements.
- G7 Natural Light - VELUX Skylights can be used to meet the G7 Natural Light requirements.

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- H1 Energy Efficiency - NZS 4218 - VELUX Skylights exceed the minimum R-value requirements for skylights in all climate zones.
- Evidence: 30+ years of historical use in New Zealand

Supporting Evidence

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



CodeMark
[CM - 1008](#)



BRANZ Appraisal
[968](#)
VELUX
[Technical data](#)

Product Criteria

Design requirements

VCM skylights are modular manually operated venting skylights intended for roof pitches between 0 and 60 degrees. They are available in standard sizes only. The IGU glazing unit has argon gas fill and Low E3 applied to the inside surface of the outer pane. The IGU unit meets the requirements of NZBC F2

VCM skylights come fitted with insect screen.

For out of reach operation up to 4 metres from floor level use ZCT 300 rod. For in reach operation use ZZZ 212 swivel handle.

VCM skylights have been tested for impact but are not intended to be part of a trafficable roof surface.

VCM skylights do not have a fire rating.

Installation requirements

Install VCM skylight in accordance with manufacturer's installation instructions, supplied with VCM, and with local building code requirements. Align skylight with curb, free of warp or twist, maintaining dimensional tolerances. Attach skylight to curb with screws furnished by manufacturer. Coordinate attachment and seal of perimeter air and vapor barrier material. Provide insulation of the curb for maximum energy efficiency. Install site made flashing in accordance with latest version of New Zealand Roofing Code of Practice to achieve weather-tight installation.

Maintenance requirements

For maintenance requirements refer to <http://https://www.velux.co.nz/service-and-warranty/maintenance>. Exterior surfaces must be cleaned with clean water at least once a year, subject to the environmental conditions present.

Warrantees

For warrantees refer to <http://https://www.velux.co.nz/service-and-warranty/maintenance>.

Company Product Information

Environmental

<https://www.velux.co.nz/our-company/lifetime-carbon-neutral>



Date last validated: **02 November 2023**



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