

MG50 & MG100 Cavity Flashing Systems Patent No. 554148

Building Product Information Requirements (BPIR) | Version 1.0 | August 2026

CLASS 2

Designated Building Product

Product Name	Vanluk MG50 Vanluk MG100
Product Line	N/A
Product Identifier	Vanluk MG50 Vanluk MG100

Product description

Vanluk MG50 and MG100 are cavity flashing systems for penetrations through drained and ventilated cavity walls, suitable for use with flexible wall underlay or rigid air barrier (RAB). Both systems adhere to the air barrier and provide a snug fit around the penetration to maintain the air seal. They also provide a backing and bond-breaker surface for the exterior weather seal.

MG50 is an injection-moulded flexible Thermoprene® cavity flashing for round penetrations, with die-cut double-sided butyl tape for adhesion to the air barrier.

MG100 is manufactured from closed-cell EVA30 foam and CNC cut to suit the shape, size and angle of the penetration. Different thicknesses are available to suit the cavity depth.

Scope of use

Vanluk MG50 and MG100 Cavity Flashing Systems are intended for penetrations through exterior walls with a drained and ventilated cavity, including penetrations of varying shapes, sizes and angles, where the air seal between the penetration and the flexible wall underlay or rigid air barrier (RAB) is required to be maintained.

Relevant building clauses

E2 External Moisture	E2/AS1, Clause 9.1.9.3 and figure 68
B2 Durability	15 years; building elements that are moderately difficult or difficult to access or replace.
F2 Hazardous Building Materials	No hazardous building materials.

Contributions to compliance

E2 External Moisture

Vanluk MG50 and MG100 Cavity Flashing Systems contribute to compliance with E2 External Moisture by providing a snug fit around the penetration to maintain the air seal between the penetration and the flexible wall underlay or rigid air barrier (RAB).

The cavity flashing also provides a bond-breaker and backing surface for the exterior weather seal, allowing the sealant to be applied in accordance with the sealant manufacturer's requirements.

Vanluk cavity flashings have been incorporated into testing of various cladding systems undertaken in accordance with E2/VM1 and AS/NZS 4284.

B2 Durability

Vanluk MG50 and MG100 Cavity Flashing Systems have been assessed as meeting the durability requirements of NZ Building Code Clause B2, providing at least 15 years of service.

F2 Hazardous Building Materials

Vanluk MG50 and MG100 Cavity Flashing Systems contain no hazardous building materials.

Conditions of use

- Substrates must be clean, dry and free from dust and debris, and primed where required by the substrate manufacturer
- Penetrations must not be sealed or taped where they pass through the flexible wall underlay or rigid air barrier (RAB).
- Penetration size, profile, angle and cavity depth must be established prior to manufacture.
- MG100 configuration must suit the cavity depth:
 - MG100-18 (18 mm) - 20 mm cavity
 - MG100-32 (32 mm) - 35 mm cavity
 - 2 × MG100-18 - cavities 40 mm and greater.
- An appropriate escutcheon plate is required for cladding less than 7 mm thick.
- Maximum exposure prior to installation of the cladding is 90 days.
- The cavity flashings are not fire rated.
- Installation must be in accordance with the applicable Vanluk installation instructions.

Installation requirements

Installation must be carried out in accordance with the applicable Vanluk installation instructions.

MG50	See Installation Instructions on the MG50 Brochure	VIEW DOCUMENT
MG100	See Installation Instructions on the MG100 Brochure	VIEW DOCUMENT

Maintenance requirements

MG50 and MG100 Cavity Flashing Systems require no maintenance once installed. Exterior weather seals around penetrations should be inspected and maintained in accordance with the sealant and cladding manufacturers' requirements.

Supporting documentation

Durability Appraisal of Vanluk Cavity Flashing Systems	Report 151133 25 September 2015	VIEW DOCUMENT
MG100 Spectraform AS/NZS 4284 Test	Report 23-09 23 November 2023	VIEW DOCUMENT
MG100 TS35 Trespa E2/VM1 & AS/NZS 4284 Tests	Reports T394 & T393 20 October 2010	VIEW DOCUMENT

Warnings and bans

Is the building product or building product line subject to a warning or ban under section 26 of the Building Act 2004?

No.

Manufacturer Information

Manufacture Location	New Zealand	
Vanluk Design Limited 4C Winston Place Henderson, Auckland 0610 New Zealand	Email info@vanluk.co.nz Phone +64 9 280 4422 Website www.vanluk.co.nz	NZBN 9429033892337 Version 1 – August 2026