

## CLASS 1

# Building Product Information Sheet

## 1. PRODUCT IDENTIFICATION

Product Name	EBuilt Ventia Iron Roof & Wall Underlay / Ventia Metal with Drainage Mat
Other Names / Variants	Ventia Iron - Roof Underlay   Ventia Iron - Wall Underlay   Ventia Metal with Drainage Mat
Product Codes	VIR050 / VIR075 / VIR100 / VMDM37
Place of Manufacture	Poland (Overseas)

**Note:** VIR050 (1.37 m × 36.5 m, 50 m<sup>2</sup>), VIR075 (1.5 m × 50 m, 75 m<sup>2</sup>), VIR100 (2.74 m × 36.5 m 100 m<sup>2</sup>), are identical products at differing roll dimensions. These have separate BRANZ Appraisals for Roof and Wall use respectively. VMDM37 is supplied 1.5 m × 25 m (37.5 m<sup>2</sup>) solely for roof usage.

### Product Description and Intended Use

Ventia Iron Roof & Wall Underlay (VIR050 / VIR075 / VIR100) is a synthetic building underlay comprising a micro-porous, water-resistant polypropylene film laminated between two layers of spun-bonded polypropylene. The product is coloured grey/white and is used as a roof underlay or wall underlay beneath roof and wall claddings on timber-framed and light steel-framed residential and commercial buildings.

Ventia Metal with Drainage Mat (VMDM37) is the Ventia Iron Roof Underlay with an adhered polymer drainage mat bonded to one face. It is designed for use as a roof underlay solely beneath profiled metal roof cladding systems where an air gap/drainage layer is required between the roof sarking / rigid barrier and the cladding.

## 2. MANUFACTURER & IMPORTER DETAILS

### Manufacturer

Legal Name	mdm NT sp. z o.o.
Trading Name	mdm NT
Address	ul. Sosnowiecka 75, 31-345 Krakow, Poland
NZBN	N/A (Overseas manufacturer)
Website	www.mdm-nt.pl
Contact	Via importer — E Built NZ Limited

### Importer / NZ Distributor

Legal Name	E Built NZ Limited
Trading Name	EBuilt
NZBN	9429045948282
Address	1B/89 Ellice Road, Wairau Valley, Auckland 0629, New Zealand
Website	www.ebuilt.co.nz
Email	orders@ebuilt.co.nz
Phone	09 916 6750

### 3. RELEVANT NEW ZEALAND BUILDING CODE CLAUSES

NZBC Clause	Subject	Application
B2	Durability	B2.3.1(a) ≥50-year durability; B2.3.1(b) 15-year durability (VMDM37); B2.3.2
E2	External Moisture	E2.3.2 — contributes as part of the roof/wall cladding system
F2	Hazardous Building Materials	F2.3.1 — product contains no hazardous materials

#### Supporting Standards & Appraisals

Document	Description
BRANZ Appraisal No. 1136 (2020), Amdt 5 Feb 2026	Ventia Iron Roof Underlay & Ventia Metal with Drainage Mat
BRANZ Appraisal No. 1137 (2020), Amdt 3 Feb 2026	Ventia Iron Wall Underlay
NZS 3604:2011	Timber-framed Buildings
NZBC Acceptable Solution E2/AS1	External Moisture — roof and wall cladding systems
NASH Building Envelope Solutions	Applicable for steel-framed building wall underlay applications
AS/NZS 4200.1:2017	Pliable building membranes — materials (manufacturing standard)
AS/NZS 4201.3, 4201.4, 4201.6:1994	Installation of pliable membranes
AS 1530.2:1993	Flammability testing
AS/NZS 1301.421s:2017	Air resistance testing
BS 6538.3:1987	Vapour resistance testing

### 4. STATEMENT ON CONTRIBUTION TO COMPLIANCE

BRANZ Appraisals 1136 and 1137 (2020, as amended) provide the compliance pathway under Section 19 of the Building Act 2004, as an Acceptable Solution. When installed in accordance with the conditions of those Appraisals and the manufacturer's installation procedures, the products are considered to satisfy the relevant NZBC performance requirements.

#### Physical Properties

Property	Test Standard	Roof (VIR/VMDM37)	Wall (VIR)
Water absorbency	AS/NZS 4200.1	≥ 150 g/m <sup>2</sup>	≥ 100 g/m <sup>2</sup>
Water resistance	AS/NZS 4200.1	≥ 100 mm head	≥ 20 mm head
Vapour resistance	BS 6538.3	≤ 7 MN·s/g	≤ 7 MN·s/g
pH	AS/NZS 4200.1	5.5 – 8	5.5 – 8
Shrinkage	AS/NZS 4200.1	≤ 0.5%	≤ 0.5%
Tensile strength (MD)	AS/NZS 4200.1	4.51 kN/m	4.51 kN/m
Tensile strength (CD)	AS/NZS 4200.1	3.21 kN/m	3.21 kN/m
Edge tear (MD)	AS/NZS 4200.1	112 N	112 N
Edge tear (CD)	AS/NZS 4200.1	93 N	93 N
Flammability index	AS 1530.2	≤ 5	≤ 5

**Note:** A flammability index ≤ 5 satisfies NZBC C/AS2 requirements with no restrictions in any building type or occupancy.

## 5. LIMITATIONS ON USE

### All Products

- Scope: E2/AS1 building height and floor plan area limitations apply.
- Must not be used behind cladding systems that are not compliant with NZBC E2/AS1 or a valid BRANZ Appraisal or CodeMark Certificate.
- Must be separated from heat sources (fireplaces, appliances, chimneys) per NZBC C/AS1 and C/AS2.

### Ventia Iron Roof Underlay (VIR050 / VIR075 / VIR100)

- Minimum roof pitch: 3 degrees.
- Maximum unsupported span: 1,200 mm. Spans greater than 1,200 mm require wire, polypropylene mesh, or safety mesh support.
- Runs installed vertically on pitches less than 10 degrees require additional support.
- Wind zones: up to Extra High (NZS 3604:2011).
- Maximum UV/weather exposure before cladding is installed: 7 days.

### Ventia Iron Wall Underlay (VIR050 / VIR075 / VIR100)

- Wind zone (stand-alone flexible underlay): up to Very High.
- Wind zone (installed over rigid wall underlay): up to Extra High.
- Maximum UV/weather exposure before cladding is installed: 90 days.

### Ventia Metal with Drainage Mat (VMDM37)

- For use under profiled metal roof cladding ONLY.
- Must be installed directly onto clean, dry plywood or OSB (minimum 7 mm, H3-treated or better).
- Roof must be ventilated from eaves to ridge.
- Wind zones: up to Extra High (NZS 3604:2011).
- NZBC B2 durability rating: 15 years (B2.3.1(b)).

## 6. DESIGN REQUIREMENTS

- Building designers are responsible for specifying the product in accordance with E Built NZ Limited's installation instructions and the relevant BRANZ Appraisal conditions.
- The underlay must only be used in conjunction with roof or wall cladding systems that comply with NZBC E2/AS1 or hold a current BRANZ Appraisal or CodeMark Certificate.
- Wall underlay — cavity batten spacing greater than 450 mm: the underlay must be supported by polypropylene strapping, 75 mm galvanised mesh/wire, or additional intermediate battens to prevent excessive deflection.
- Wall underlay behind stucco/plaster cladding: 75 mm galvanised mesh or wire at 150 mm centres; maximum deflection 5 mm.
- Restricted Building Work (RBW) must be carried out by or under the direct supervision of a Licensed Building Practitioner holding the relevant licence class.

## 7. INSTALLATION REQUIREMENTS

Full installation procedures are available at [www.ebuilt.co.nz](http://www.ebuilt.co.nz) and within BRANZ Appraisals 1136 and 1137. The following are the key installation requirements.

### General — All Products

- Fix to all framing members at maximum 300 mm centres using: large-head galvanised clouts ( $\geq 20$  mm), 6–8 mm stainless steel staples, self-drilling screws, or proprietary underlay fixings.
- Pull taut before fixing. Exercise care with large sail areas in windy conditions.
- Damaged areas must be repaired by covering with new underlay lapping a minimum of 150 mm on all sides and taping all edges.

### Roof Underlay (VIR050 / VIR075 / VIR100)

- May be run horizontally or vertically (vertical runs require pitch  $\geq 10$  degrees; see limitation above for lower pitches).
- Horizontal and vertical laps: minimum 150 mm. End laps must be located over a framing member.
- Extend from the ridge and overhang the fascia by 20–25 mm.

**Wall Underlay (VIR050 / VIR075 / VIR100)**

- Run horizontally from the top plate down to below the floor bearers/bottom plates.
- Horizontal laps: minimum 150 mm.
- Window and door openings: cut diagonally at 45 degrees from each corner, fold flaps inward and staple to framing.

**Ventia Metal with Drainage Mat (VMDM37)**

- Install horizontally only, drainage mat facing outward (away from substrate).
- Vertical (end) laps: minimum 200 mm. Horizontal laps: minimum 150 mm.
- Remove the drainage mat material at all overlap zones so only the membrane overlaps.
- Ensure continuous ventilation pathway from eaves to ridge.

**Note:** Installation guides: *Ventia Iron Roof Underlay Installation Procedure (Aug 2020)* | *Ventia Metal with Drainage Mat Installation Procedure (Mar 2025)* | *Ventia Iron Wall Underlay Installation Procedure (Aug 2020)*. All available at [www.ebuilt.co.nz/architect-downloads](http://www.ebuilt.co.nz/architect-downloads)

**8. MAINTENANCE REQUIREMENTS**

No maintenance is required for the underlay itself once it is covered by the roof or wall cladding system.

- The overlying roof and wall cladding must be maintained in accordance with the cladding manufacturer's instructions to ensure ongoing weathertightness and to allow the underlay to achieve its full serviceable life.
- Serviceable life of the underlay is equal to that of the roof or wall cladding when installed in accordance with the relevant BRANZ Appraisal requirements.

**Note:** Maintenance guide: [www.ebuilt.co.nz/architect-downloads](http://www.ebuilt.co.nz/architect-downloads)

**9. WARNING OR BAN — SECTION 26, BUILDING ACT 2004**

<b>Subject to warning or ban?</b>	No — this product is not subject to any warning or ban under section 26 of the Building Act 2004.
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**10. DOCUMENT CONTROL**

<b>Version</b>	1.0
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<b>Prepared by</b>	E Built NZ Limited
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