

# PRODUCT INFORMATION SHEET

## VENT RIDGE/APRON/BARGE VENT

### RV10P, RIV10P-HALF, RV10DT & RV10DT - HALF

#### DESCRIPTION

The VENT Ridge Vent range are specifically designed for long run metal roof claddings with trough depths up to 48mm. The Ridge Vents are designed to allow warm moist air to escape the roof cavity by means of natural convection of the warm air or by means of negative pressure created by wind movement over the roof.

The Ridge Vents can be cut in half to create Apron, Barge or Abutment vents. Cut in half, the ridge vents create the perfect ventilation product for both abutment and mono barge details.

The ridge vents come with an adhesive and flexible aluminium flashing attached which is designed to form to most cladding profiles, preventing water ingress on any pitch roof.

#### FEATURES

Airflow Rates:

- RV10P & RV10DT provide calculated free flow air of 16,000mm<sup>2</sup> per linear metre (8,000mm<sup>2</sup> per side of vent)
- RV10P-Half and RV10DT-Half provide calculated free flow of air of 8,000mm<sup>2</sup> per linear metre
- Allows warm moist air to escape the roof cavity
- Creates negative pressure to draw warm moist air from the roof cavity
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- Easy to install - manufactured in 1,200mm lengths for ease of handling
- 4mm ventilation apertures prevents ingress of nesting insects
- Discrete, unseen when ridge capping/flashing installed (note: Ridge capping not included)
- Forms part of a passive ventilation system
- Works year round with no moving parts or energy consumption

#### BUILDING REGULATIONS, NEW ZEALAND BUILDING CODE (NZBC)

VENT Ridge Vents and Half Ridge Vents, if designed, used, installed and maintained in accordance with the statements and conditions of this Product Data Sheet, will meet or contribute to meeting the following provisions of the NZBC:

- Clause B1 STRUCTURE: Performance B1.3.1, B1.3.2 and B1.3.4. VENT Ridge Vents meet the requirements for loads arising from gravity loads, wind and impact [i.e. B1.3.3 (b), (h) and (j)].
- Clause B2 DURABILITY: Performance B2.3.1 (b) 15 years and B2.3.2. VENT Ridge Vents meet these requirements
- Clause E2 EXTERNAL MOISTURE: Performance E2.3.2, E2.3.5 and E2.3.6 VENT Ridge Vents contribute to meeting this requirement
- Clause E3 INTERNAL MOISTURE: Functional Requirements E3.2 (c). VENT Ridge Vents contribute to meeting this requirement
- Clause F2 HAZARDOUS BUILDING: Performance F2.3.1. VENT Ridge Vents meet this requirement

#### SCOPE OF USE

- Whilst essential for use on all skillion roofs of any degree pitch and trussed roofs >30°, the VENT Ridge Vents can also be applied to trussed roofs with a pitch <30°
- Compatible with corrugate, trapezoidal and most deep trough (flat pan) roof cladding profiles
- Suitable for new builds or renovations
- To be used as part of a proprietary ventilation system
- Recommended application:
  - RV10P and RV10P-Half for cladding profiles with a trough depth <34mm
  - RV10DT and RV10DT-Half for cladding profiles with a trough depth 34mm - 48mm

#### CONDITIONS & LIMITATIONS

- RV10 Ridge Vents must be installed in accordance with product installation guide
- RV10 Ridge Vents can installed on both timber or steel roof and wall framing
- RV10 Ridge Vents are suitable for use with any synthetic or bitumen based underlays
- RV10 Ridge Vents are suitable for use under, but not limited to masonry tiles, terracotta tiles, metal tiles, profiled metal claddings, slate and composite claddings

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#### APPRAISALS

- BRANZ appraisal No. 979 [2017]

#### WARRANTY

- 15 years

#### MAINTENANCE

- No maintenance requirements

#### STORAGE

- Handling and storage of VENT Roof Ventilation Products, whether on-site or off-site, is under the control of the building contractor. Roof Ventilation Products must be protected from direct sunlight and physical damage, and should be stored flat and under cover.

#### SPECIFICATIONS

Dimensions	1200mm L x 300mm W x 20mm H
	Half: 1200mm L x 150mm W x 20mm H
Colour	Black
Box Quantity	6 x 1200mm long each (7.2m total)
	Half: 12 x 1200mm long each (14.4m total)

#### INSTALLATION

##### RV10P & RV10DT RIDGE VENT

1. Lay vent on roof centrally over the roof apex as shown with the excess flashing to the right hand side
2. The protective paper is removed from the underside of the flashing tape which is then moulded to the shape of the roof cladding
3. Temporarily fix the vent in place with tape or screws at each corner ensuring the underside of the vent is flat against the roof
4. Continue to the end of the ridge and trim as appropriate. Dress flashing over the roof profile:
  - Gable Roof - Fix vent over the barge flashing to the outside edge of the roof
  - Hip Roof - Install hip flashing first and cut the vent up to where the flashings meet
5. Standard ridge flashings of 200mm can be used to conceal soft edge of the ridge vent
6. Dress the ridge flashing accordingly over the gable/hip junction

##### RV10P-HALF & RV10DT-HALF

1. The apron, abutment or barge Vent is placed over the top of the roof cladding
2. The protective paper is removed from the underside of the flashing tape which is then moulded to the shape of the roof cladding
3. Apron, abutment or barge flashings sit on top of the vent

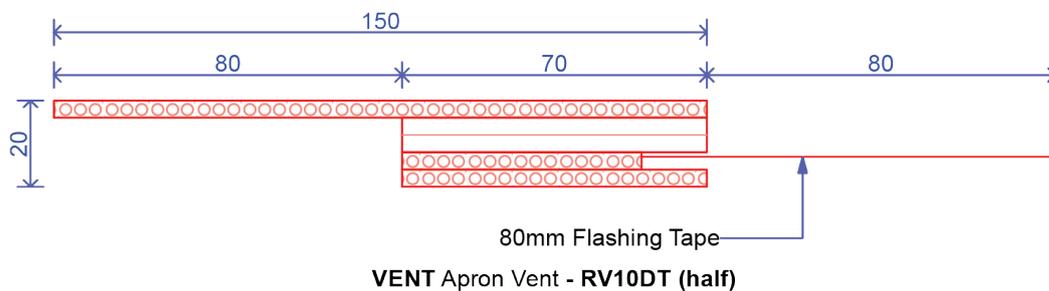
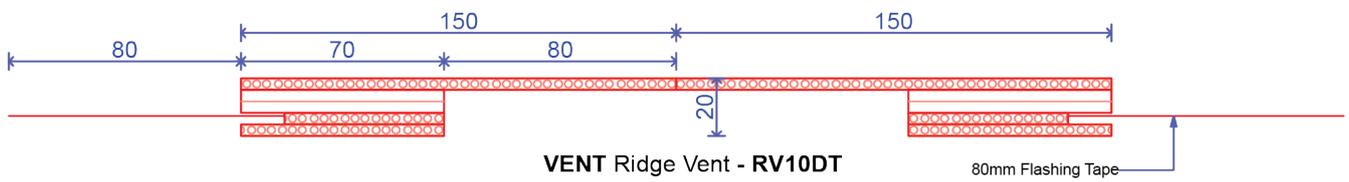
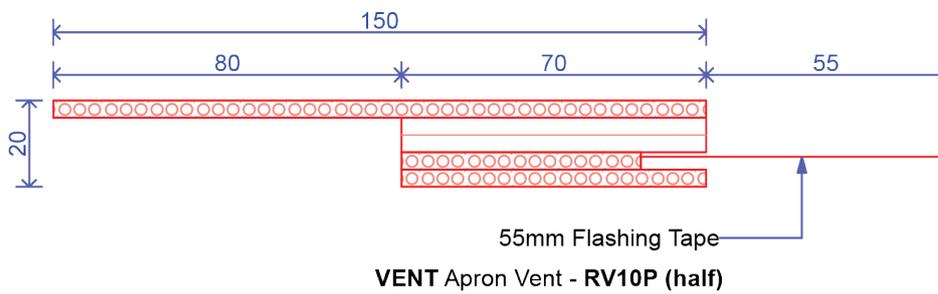
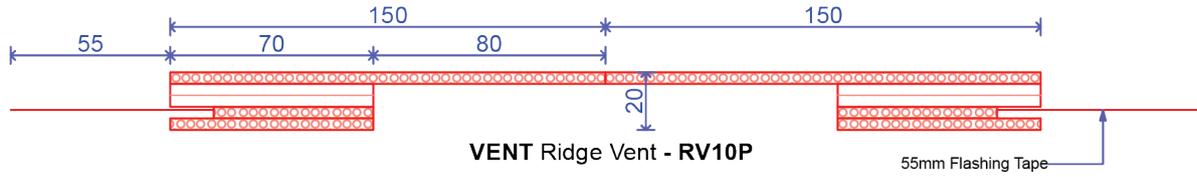
##### GENERAL

1. Remove all moisture and dust from the roof cladding before dressing down the aluminium soft edge
2. When vents are fixed, place the ridge flashing centrally over and fix as per usual practice. Additional fixing screw length is required to accommodate the 20mm thickness of the vent (and VB20 where applicable)
3. The aluminium soft edge should be notched or snipped as required to suit the roofing profile. Notching or snipping is always required on deep trough or trapezoidal roofing profiles
4. Care should be taken when dressing down the aluminium soft edge
5. When dressing down the aluminium soft edge, start at the outer edge of the soft edge and work in towards the vent. Between 17mm and 25mm contact with the trough is required, depending on the cladding profile
6. Minimum working temperature resistance: -40° to +90°
7. Compatibility of the Ridge Vents with chosen ridge capping system should be checked with the roofing manufacturer supplying the ridge capping
8. VENT Ridge Vents should not be exposed to the direct sunlight for more than 30 days

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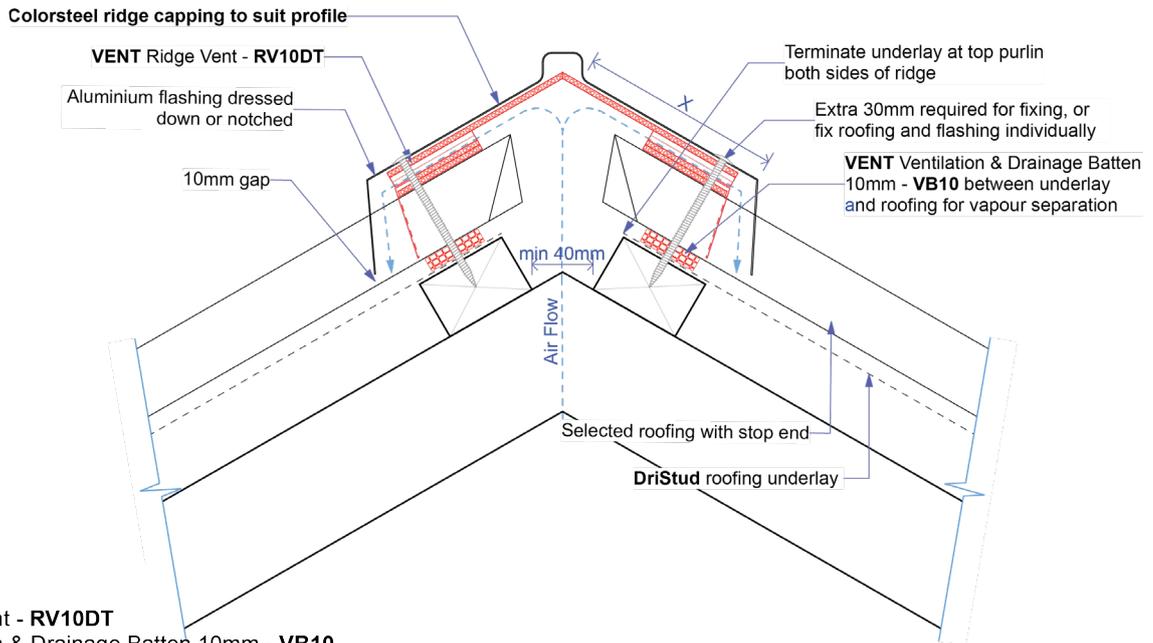
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### RV10P, RIV10P-HALF, RV10DT & RV10DT - HALF



**VENT Ridge Vent - RV10DT**  
**VENT Ventilation & Drainage Batten 10mm - VB10**  
 For trough depth <48mm

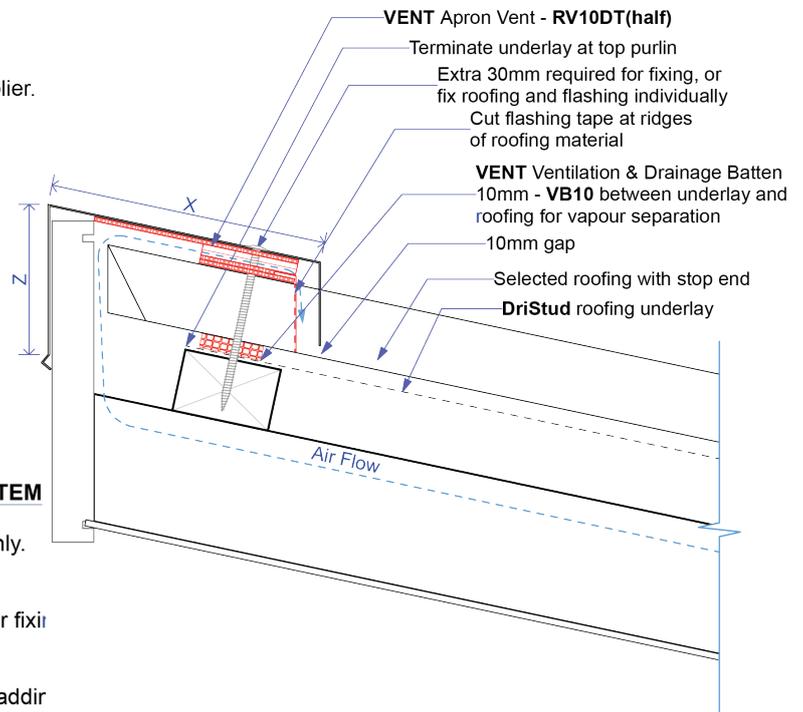
#### PROFILED STEEL ROOF CLADDING - CLIPPED SYSTEM

##### Ventilated Ridge

Use this method to provide ventilation to trussed roofs only.  
 Vent **VB20** also required for skillion roofs

Main contractor to ensure correct placement of purlins for fixing of Ridge Vent

The Ridge cap is to be supplied by the roof cladding supplier.  
 Refer to E2/AS1 for minimum values of X, recommend 200mm min to hide flashing tape



**VENT Apron Vent - RV10DT(half)**  
**VENT Ventilation & Drainage Batten 10mm - VB10**  
 For trough depth <48mm

#### PROFILED STEEL ROOF CLADDING - CLIPPED SYSTEM

##### Ventilated Ridge Barge Detail

Use this method to provide ventilation to trussed roofs only.  
 Vent **VB20** also required for skillion roofs

Main contractor to ensure correct placement of purlins for fixing of Ridge Barge Vent

The Ridge/Barge flashing is to be supplied by the roof cladding supplier.  
 Refer to E2/AS1 for minimum values of X & Z, recommend 200mm min at X to hide flashing tape