BAL VENT
BV10 & BV25

PRODUCT INFORMATION SHEET

DESCRIPTION

The VENT Systems BV10 & BV25 Vents are specifically designed to provide High Level ventilation, compliant with NCC requirements. Designed for Australian Colourbond roof claddings of any pitch or design. BAL Vents are designed to allow calculated airflow and 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.

With two versions that cater for pitched, parapet and abutment details of any degree.

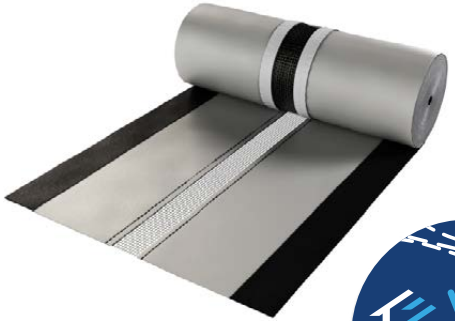
The BAL Vents are placed above or below the sarking, below the Colourbond roof or flashing, ensuring BAL defence to the cut sarking/membrane and at the same time providing calculated airflow and defence against moisture ingress.

FEATURES AND BENEFITS

- VENT Systems BAL Vents provide for the following free open area per linear metre:
  - BV10 = 10,00mm² / Lm
  - BV25 = 25,000mm² / Lm
- Positioned under the the Clourbond Roof or Flashing to ensure BAL compliance up to BAL29.
- Allows warm moist air to escape the roof cavity.
- Ensures defense against moisture ingress when sarking/membranes are cut and no VENT Systems Ridge or Apron Vents have been applied above the Colourbond.
- Creates negative pressure to draw warm moist air from the roof cavity.
- Comes with an adhesive strip so no additional fixing is required.
- Tested to AS1530.1
- Compliant with AS3959
- Can be applied down hips

BV10 BAL Vent 10,000mm

BV25 BAL Vent 25,000mm



BAL VENT
BV10 & BV25

APPLICATIONS / SCOPE OF USE

- In accordance with NCC 2022 requirements (See Table 1).
- Compatible with any Clourbond roof type.
- Suitable for new builds or renovations.
- Is highly recommended to only apply high level vents with some form of unimpeded Over Fascia or Eaves ventilation.
- Can be used in conjunction with other VENT Systems products to form part of a proprietary ventilation system to adequately manage moisture in roofs beyond NCC compliance.

BUSH FIRE PRONE APPLICATIONS

The VENT Systesm BAL Vents BV10 & BV25 are engineered to satisfy the requirements of AS3959:2018, Section 3.6.1, pertaining to vents, weepholes, joints, and similar features.

This is achieved through its design as a perforated material serving as a screen, with a maximum aperture size of 2mm.

MAINTENANCE

Annual maintenance to clear dust cobwebs or debris will ensure airflow rates are not diminished over time.

TABLE 1

NATIONAL CONSTRUCTION CODE 2022 VOL 1 F8D5 / ABCB HOUSING PROVISIONS STANDARDS 10.8.3		
Roof Type	**Requirements for Airflow**	**Products for Compliance**
Roof Pitches < 10°	25,000 mm²/lm at each opposing end	G2500N **or** BV25
Roof Pitches ≥ 10° & < 15° – Colourbond Roof	25,000 mm²/m at low level 5,000 mm²/m at high level	G2500N **or** G1200N/VB20 Combination RV10P/DT **or** RV10P/DT-HALF **or** BV10
Roof Pitches ≥ 15° & < 75° – Concrete Tile Roof	7,000 mm²/m at low level 5,000 mm²/m at high level	G1200N **or** G750N G630
Roof Pitches ≥ 15° & < 75°	7,000 mm²/m at low level 5,000 mm²/m at high level	G1200N RV10P/DT **or** RV10P/DT-HALF **or** BV10
Roof Pitches ≥ 15° & < 75° – Colourbond Roof	7,000 mm²/m at low level 5,000 mm²/m at high level	G1200N **or** G750N RV10DT **or** RV10P/DT-HALF **or** BV10
Cathedral Roof	25,000 mm²/m at Llow level 5,000 mm²/m at high level	G2500N **or** G1200N/VB20 Combination RV10P/DT **or** RV10P/DT-HALF **or** BV10

BEYOND COMPLIANCE – FULL SYSTEM RECOMMENDATIONS		
Roof Type	**Requirements for Airflow**	**Recommended Products**
Roof Pitches < 10°	25,000 mm²/lm at each opposing end	G2500N or BV25 G502 (Trussed) **or** VB20 (Cathedral) VB10
Roof Pitches ≥ 10° & < 15° – Colourbond Roof	25,000 mm²/m at low level 5,000 mm²/m at high level	G2500N **or** G1200N/VB20 Combination G502 RV10P/DT **or** RV10P/DT-HALF **or** BV10 VB10
Roof Pitches ≥ 15° & < 75° – Concrete Tile Roof	7,000 mm²/m at low level 5,000 mm²/m at high level	G1200N **or** G750N G502 G630
Roof Pitches ≥ 15° & < 75°	7,000 mm²/m at low level 5,000 mm²/m at high level	G1200N **or** G750N G502 VB10 RV10P/DT **or** RV10P/DT-HALF **or** BV10
Roof Pitches ≥ 15° & < 75° – Colourbond Roof	7,000 mm²/m at low level 5,000 mm²/m at high level	G2500N **or** G1200N/VB20 Combination RV10P/DT **or** RV10P/DT-HALF **or** BV10 VB10
Cathedral Roof	25,000 mm²/m at low level 5,000 mm²/m at high level	G2500N **or** G1200N/VB20 Combination VB20 RV10P/DT **or** RV10P/DT-HALF **or** BV10 VB10

VENT SYSTEMS WORKS WITH...

BAL VENT
BV10 & BV25

WARRANTY

VENT Systems BAL Vents are warranted for 15 years

HANDLING AND STORAGE

Products must be protected from direct sunlight and physical damage, and should be stored flat and under cover.

HEALTH & SAFETY

Take care when working on roofs and follow all guidance and industry good practice guidelines.

PRODUCT PERFORMANCE

VENT Systems Ridge Vent perform to specification in normal building applications when installed in accordance with this product guide. The information herein is supplied in good faith and to the best of our knowledge was accurate at the time of publication.

Users are advised to make their own determination as to the suitability of this information in relation to their particular purpose and specific requirements.

SAMPLE SPECIFICATION

VENT Systems RV10P/10DT / RV10P/10DT Half as required by NCC2022 Vol 1 F8D5 / ABCB Housing Provisions Standard 10.8.3 and installed in accordance with the product user guide.

- Free open area: 10,000mm²/Lm & 25,000mm²
- Spread of Flame Index (AS/NZS 1530.3) : ≤ 0
- Heat Evolved Index (AS/NZS 1530.3) : ≤ 0
- Smoke Developed Index (AS/NZS 1530.3) : ≤ 0

BV10 complies with AS4200.2:2017, Section 3.3.1 (f), which allows the membrane to terminate at a specifically designed ridge ventilation system when such a system is in place.

DURABILITY

Although VENT Systems BAL Vents can be left exposed temporarily during construction, the product may be damaged by careless handling or vandalism, and must not to be used in installations where it could be exposed to long term direct sunlight. Any damaged product should be replaced before completion. Ensure that VENT Systems Ridge Vents are covered as soon as possible, and **not left exposed for longer than 30 Day**.

INSTALLATION

BV10 BAL Vent - Ridge install >10°

- Roll out BV10 Vent across ridge line.
- Remove tape and stick vent down into position.
- The BV10 vent can be positioned below or above sarking.
- Ensure sarking is cut back to ensure a clear unobstructed pathway for air to exit the roof.
- No additional fixings required to secure BV10.

BV10 BAL Vent - Abutments & Parapet install >10°

- Roll out BV10 Vent across abutment or parapet junction.
- Remove tape and stick vent down into position (one side on roof batten, on side on abutment/apron wall).
- The BV10 vent can be positioned below or above sarking of roof.
- Ensure sarking is cut back to ensure a clear unobstructed pathway for air to exit the roof.
- No additional fixings required to secure BV10.

BV25 BAL Vent - Abutments & Parapet install <10°

- Roll out BV25 Vent across abutment/apron junction.
- Remove tape and stick vent down into position (one side on roof batten, on side on abutment/apron wall).
- BV25 vent can be positioned below or above sarking of roof.
- Ensure sarking is cut back to ensure a clear unobstructed pathway for air to exit the roof.
- No additional fixings required to secure BV25.

VENT SYSTEMS WORKS WITH...

BAL VENT
BV10 & BV25

PRODUCT INFORMATION SHEET

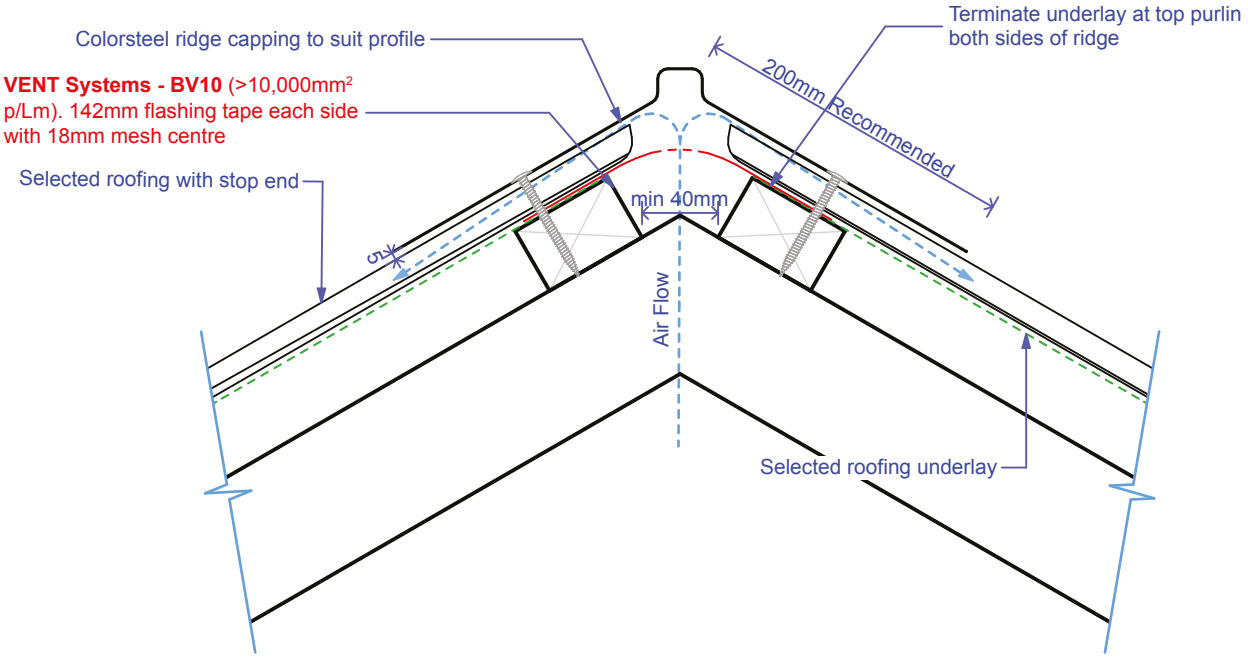
TECHNICAL DATA

Criteria	Test Method	Result	
		BV10	**BV25**
Free Airflow		>10,000mm²/Lm	>25,000mm²/Lm
Spread of Flame Index (Range 0-10)	AS/NZS 1530.3	0	0
Heat Evolved Index (Range 0-10)	AS/NZS 1530.3	0	0
Smoke Developed Index (Range 0-10)	AS/NZS 1530.3	3	3

DIMENSIONS & PACKAGING

	BAL Vent Dimension			Packaging weight and dimension				BAL Vents per pack (Total linear metre)
	Length (mm)	Width (mm)	Height (mm)	Length (mm)	Width (mm)	Height (mm)	Weight (kg/box)	
BV10	10,000	320	2	116	96	46	12	3 (30Lm) per pack
BV25	10,000	320	2	116	96	46	12	3 (30Lm) per pack

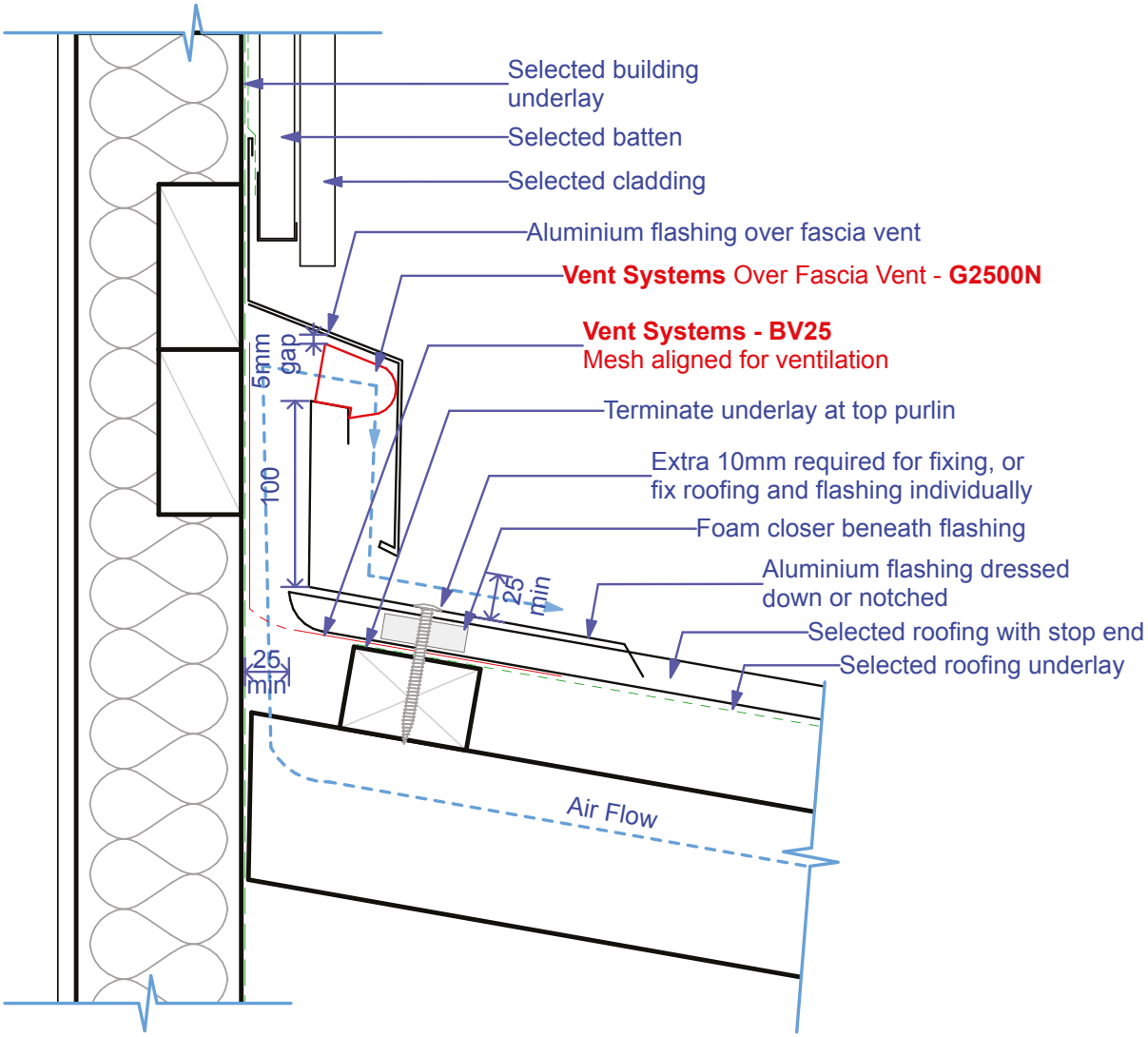
TECHNICAL DRAWING



See more details on www.ventsytems.com.au or contact the VENT Systems technical team.

BAL VENT
BV10 & BV25

TECHNICAL DRAWING



PRODUCT INFORMATION SHEET

See more details on www.ventsytems.com.au or contact the VENT Systems technical team.