

All Metal

**The Professional
Metal Contractors Choice**

 **EaveFlo™**

EG 7000 | BF 7000 | BG 25000 | SBP 25000

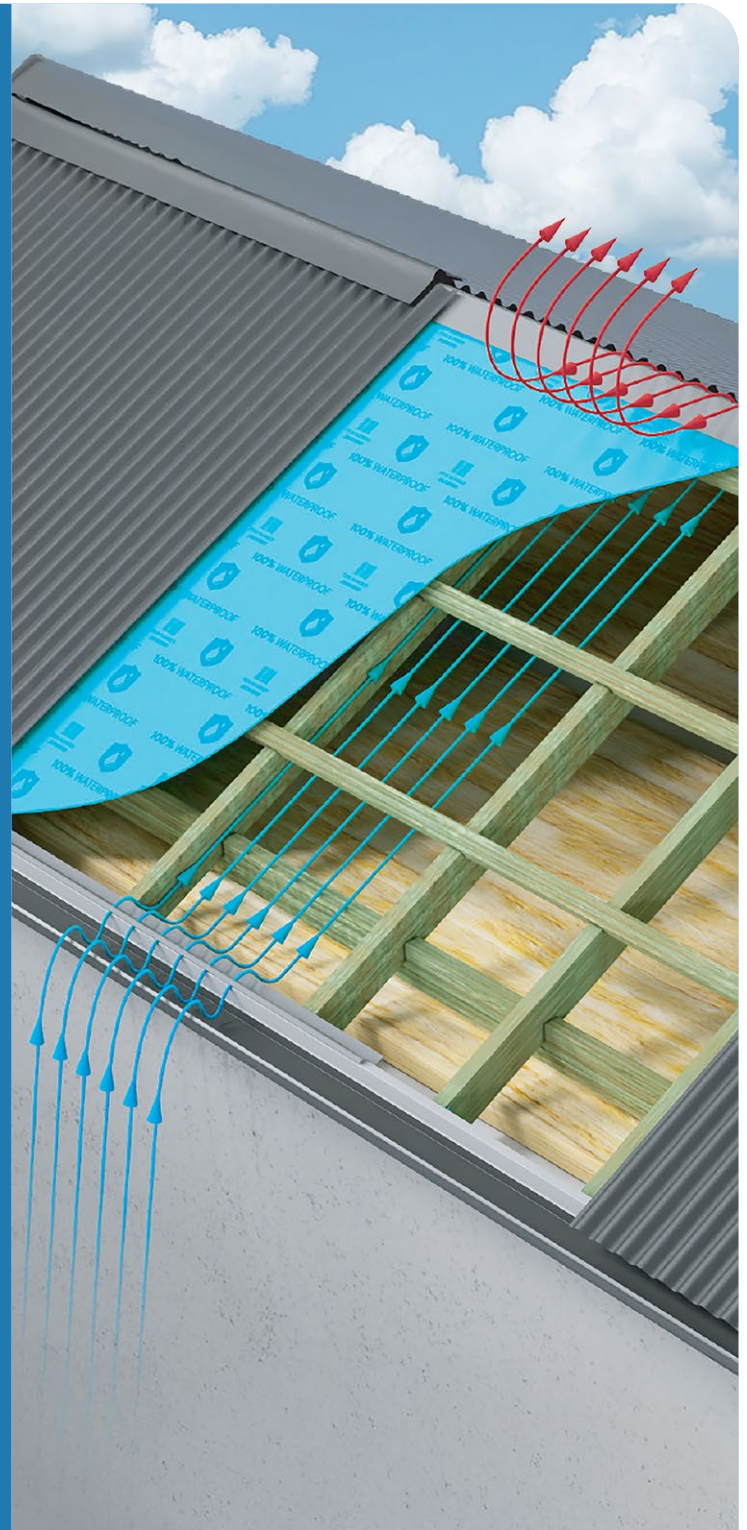
 **RidgeFlo™**

RC 5000 | CO 5000 | TK 25000

Passive Roof Ventilation System

Breathe easy with our range of Passive Ventilation Solutions, engineered to meet the latest National Construction Code (NCC) requirements.

- ✓ Solutions that cover all applications
- ✓ Cost Effective Design
- ✓ Meets all NCC 2022 Requirements and BAL - 12.5 to 29



**The smarter and
better looking way to
vent from your roof**

Compliance Summary

EaveFlo™ and RidgeFlo™ are passive roof ventilation devices that are Deemed to Satisfy (DtS) solutions which meet the requirements of the NCC 2022, Volume 2 and Housing Provisions, Part 10.8.3.

These products have been designed to meet the requirements of AS3959:2018, section 3.6.1 Vents, weepholes, joints and the like, as these designs are a perforated material used as a screen with aperture size of maximum 2mm.

Roof Pitch	Ventilation Openings	Solution	NCC Compliant
< 10°	25,000 mm ² /m provided at each of two opposing ends	BG25000 SBP25000 TK25000	✓
≥ 10° and < 15° - High Level	5,000 mm ² /m at high level	RC5000 BF7000 CO5000 TK25000	✓
≥ 10° and < 15° - Low Level	25,000 mm ² /m provided at the eaves	BG25000 SBP25000	✓
≥ 15° and < 75° - High Level	5,000 mm ² /m at high level	RC5000 CO5000 TK25000	✓
≥ 15° and < 75° - Low Level	7,000 mm ² /m provided at the eaves	EG7000 BF7000	✓
Cathedral Ceilings - High Level	25,000 mm ² /m at high level	RC5000 BF7000 TK25000	✓
Cathedral Ceilings - Low Level	25,000 mm ² /m provided at the eaves	BG25000 SBP25000	✓



All Metal Ventilation Products

All Metal

Supply & Installation

Supplied and installed by trades who are already on site, installing our guttering, battens and roofing products to ensure a seamless installation integration.

Dimensions

Manufactured in 2.4 l/m lengths, ensuring easy transportation and efficient installation times that focus on maintaining construction timelines and schedules.

Compliance

Designed to meet the requirements for NCC 2022, section 10.8.3 Ventilation of roof spaces and AS 3959:2018, section 3.6.1 for construction of buildings in bushfire-prone areas BAL 12.5 - 29.

Applications & Scope of Use

Devised to be flexible and can be applied to various construction methods including eave gutters, box gutters, apron flashings, ridge capping and barge capping where either high-level or low-level ventilation solutions are required.

Specification Clause

Manufactured from 5005 H34 - 0.6 mm aluminium sheet metal incorporating round perforations of 2mm diameter to achieve both the minimum ventilation opening requirements and screening against ember attack.



Meets NCC Compliance Requirements

This product meets the requirements of NCC 2022 section 10.8.3, Ventilation of roof spaces, at high level for climate zones 6, 7 and 8, where a metal roof must have a roof space that is ventilated to outdoor air through evenly distributed openings in accordance with Table 10.8.3 and for roof pitches of 0° - 75° requiring an opening of 5000 mm²/m.

High level openings are openings provided at the ridge or not more than 900 mm below the ridge or highest point of the roof space, measured vertical.

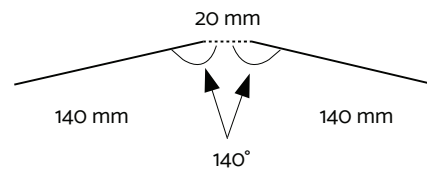
This product design achieves a free open area of 10047 mm²/ per l/m when positioned below the ridge capping at the truss apex.

The design meets the requirements of AS4200.2:2017, section 3.3.1 (f) where a specifically designed ridge ventilation is installed, the membrane may be terminated at the ventilation.

RidgeFlo RC5000

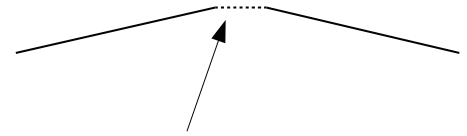


Dimensions



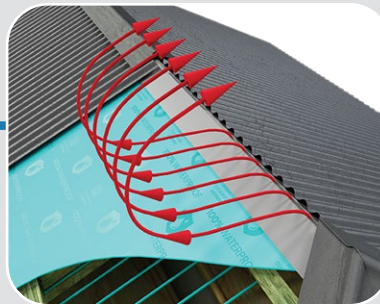
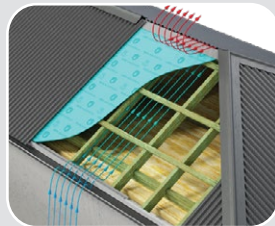
Supplied in 2.40m lengths.

Openings



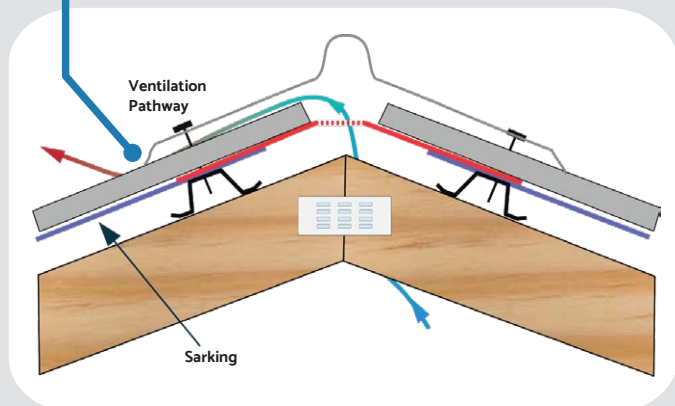
8 rows of 2 mm round apertures spaced at 0.5 mm apart and evenly distributed along the full length achieve a free open area of 10047 mm² per l/m.

How it works



BAL-12.5 to 29

- Positioned over any sarking and on top of the roof battens.
- If Multitel is used instead of sarking, we fix directly to the roof batten and place Multitel between the vent and the roof sheet.
- We trim back any sarking from the apex to ensure that the ventilation pathway is protected and clear.
- Roof sheeting is layed over the vent with a minimum gap of 5 mm between the ends of the sheets.
- The ridge capping is screw fixed as usual, which secures the vent in position.



Meets NCC Compliance Requirements

Designed for roof pitches of 10° - 75° requiring a high level free open area of 5000 mm²/m.

High level openings are openings provided at the ridge or not more than 900 mm below the ridge or highest point of the roof space, measured vertical. Ventilation openings are specified as a minimum free open area per metre length of the longest horizontal dimension of the roof.

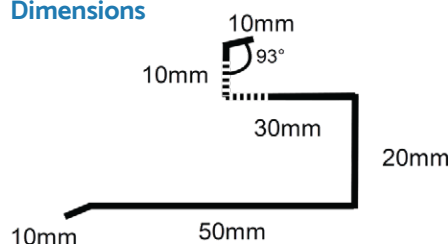
This product design achieves a free open area of 5024 mm²/ per 1/m.

The design meets the requirements of AS4200.2:2017, section 3.3.1 (f) where a specifically designed ridge ventilation is installed, the membrane may be terminated at the ventilation.

RidgeFlo CO5000

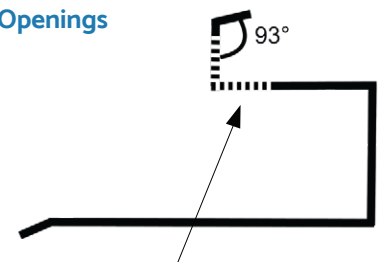


Dimensions



Supplied in 2.40m lengths.

Openings



4 rows of 2 mm round apertures spaced at 0.5 mm apart and evenly distributed along the full length achieve a free open area of 5024mm² per 1/m.

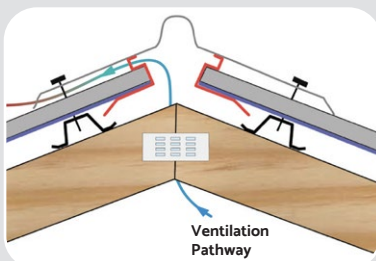
Multiple Uses

BAL-12.5 to 29

This solution has been designed to be flexible, to comply with the NCC and be used across multiple gutter applications including **High Level Ridge Capping**, **High Level Apron Flashing**, and **High Level Barge Capping**.

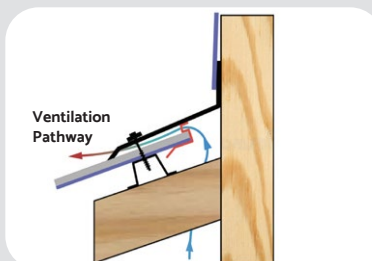
How it works

1 High Level Ridge Capping



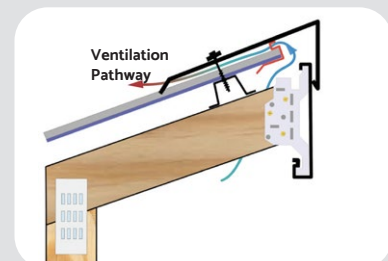
- Positioned at the upper end of the roof sheet and fixed into the crest of the roof sheet behind the vent openings.
- The ridge capping is screw fixed as usual, which secures the vent in position.

2 High Level Apron Flashing



- Positioned at the upper end of the roof sheet and fixed into the crest of the roof sheet behind the vent openings.
- The apron flashing is screw fixed as usual, which secures the vent in position.

3 High Level Barge Capping



- Positioned at the upper end of the roof sheet and fixed into the crest of the roof sheet behind the vent openings.
- The barge capping is screw fixed as usual, which secures the vent in position.

Meets NCC Compliance Requirements

This product meets the requirements of NCC 2022 section 10.8.3, ventilation of roof spaces, at low level for climate zones 6, 7 and 8, where a metal roof must have a roof space that is ventilated to outdoor air through evenly distributed openings in accordance with Table 10.8.3. for roof pitches below 1° - 10° requiring an opening of 25000 mm²/m.

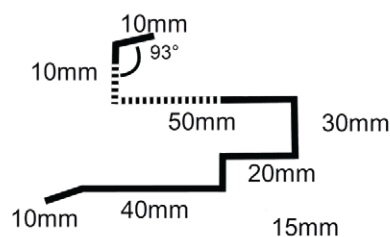
This product design achieves a free open area of 30140 mm²/ per l/m.

The design meets the requirements of AS4200.2:2017, section 3.3.1 (f) where a specifically designed ridge ventilation is installed, the membrane may be terminated at the ventilation.

RidgeFlo TK25000

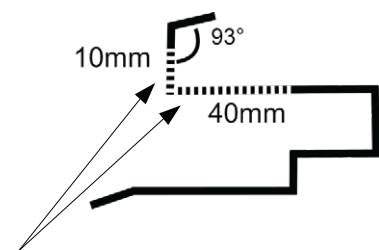


Dimensions



Supplied in 240m lengths.

Openings

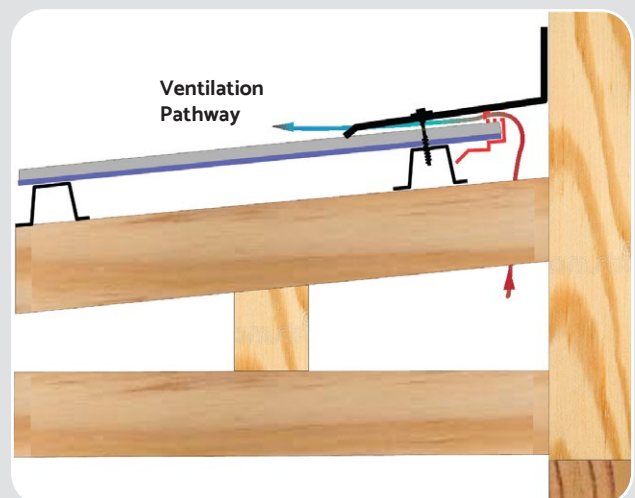


24 rows of 2 mm round apertures spaced at 0.5 mm apart and evenly distributed along the full length achieve a free open area of 30140mm² per l/m.

How it works

BAL-12.5 to 29

- Positioned at the upper end of the roof sheet and fixed into the crest of the roof sheet behind the vent openings.
- Vent is fixed into the crest of the roof sheet behind the vent openings.
- The ridge capping is screw fixed as usual, which secures the vent in position.



Meets NCC Compliance Requirements

This product meets the requirements of NCC 2022 section 10.8.3, Ventilation of roof spaces, at low level for climate zones 6, 7 and 8, where a metal roof must have a roof space that is ventilated to outdoor air through evenly distributed openings in accordance with Table 10.8.3. and for roof pitches of 15° - 75° requiring an opening of 7000 mm²/ per l/m.

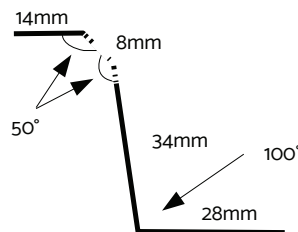
Ventilation openings are specified as a minimum free open area per metre length of the longest horizontal dimension of the roof. **This product design achieves a free open area of 10047 mm²/ per l/m.**

NOTE: This product excludes the additional requirements of 18,000 mm²/ per l/m at the eaves if the roof has a cathedral ceiling.

EaveFlo EG7000

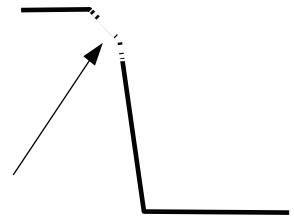


Dimensions

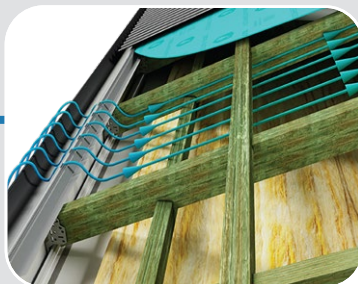
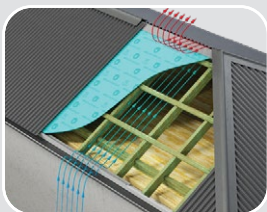


Supplied in 2.40m lengths.

Openings



8 rows of 2 mm round apertures spaced at 0.5 mm apart and evenly distributed along the full length achieve a free open area of 10047 mm² per l/m.

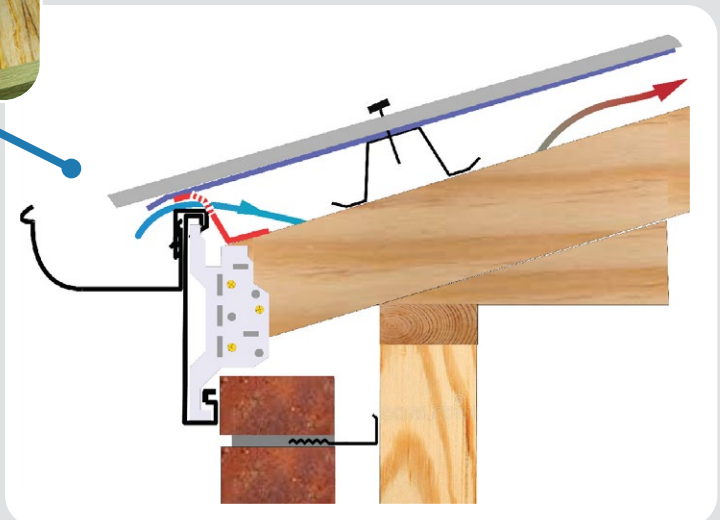


BAL-12.5 to 29

How it works

- Positioned behind fascia and fixed to the top of the trusses.
- Extended overhang provides ventilation pathway protection from overhanging sarking.
- Ventilation pathways go between the underside of the roof covering and the top edge of the fascia.
- Directly fixed to truss tails to avoid load transfer on fascia.

Ventilation Pathway



The design provides additional weather protection from wind driven moisture ingress.

Meets NCC Compliance Requirements

This product meets the requirements of NCC 2022 section 10.8.3, Ventilation of roof spaces, at low level for climate zones 6, 7 and 8, where a metal roof must have a roof space that is ventilated to outdoor air through evenly distributed openings in accordance with Table 10.8.3. for roof pitches below 15° requiring an opening of 25000 mm²/m.

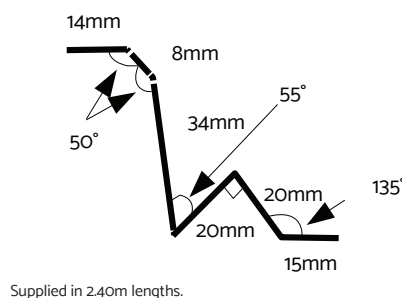
Ventilation openings are specified as a minimum free open area per metre length of the longest horizontal dimension of the roof.

This product design achieves a free open area of 30140 mm²/ per l/m.

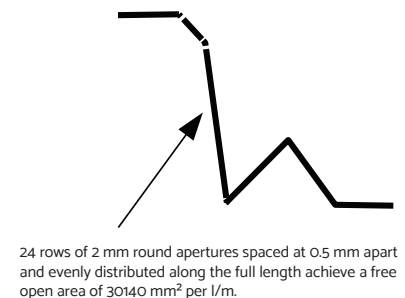
EaveFlo BG25000



Dimensions



Openings



Multiple Uses

BAL-12.5 to 29

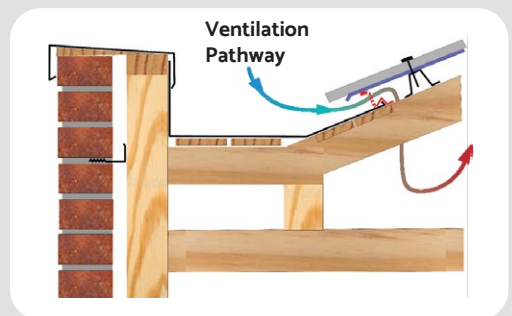
This solution has been designed to be flexible, to comply with the NCC and be used across multiple gutter applications including **Lear Gutters** and **Box Gutters**.

How it works

1 Lear Gutter

- The vent is positioned on top of outer edge of the lear gutter so that the up-stand of the outer edge is covered by the V-shaped part of the vent.
- Directly fixed to the truss framing.
- Ventilation pathway is protected from sarking overhang.
- Requires an over flashing at the top edge of the box gutter to sit on top of the truss or rafter.

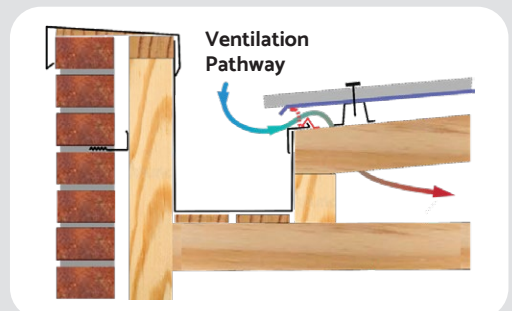
Design provides additional weather protection from wind driven moisture ingress.



2 Box Gutter

- We ensure the box gutter supports on the roof pitch are recessed and flush with the tops of the truss cords.
- Vent is positioned on top of outer edge of the over flashing so that the up-stand of the outer edge is covered by the V-shaped part of the vent.
- Directly fixed to truss framing.
- Ventilation pathway is protected from sarking overhang.

Design provides additional weather protection from wind driven moisture ingress.



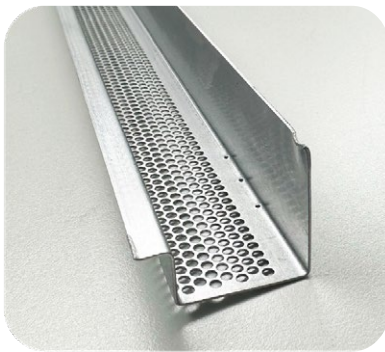
Meets NCC Compliance Requirements

This product meets the requirements of NCC 2022 section 10.8.3, Ventilation of roof spaces, at low level for climate zones 6, 7 and 8, where a metal roof must have a roof space that is ventilated to outdoor air through evenly distributed openings in accordance with Table 10.8.3. and for roof pitches of 15° - 75° requiring an opening of 7000 mm²/m.

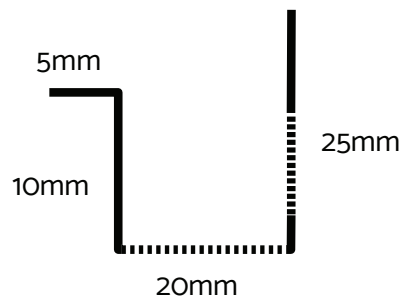
Ventilation openings are specified as a minimum free open area per metre length of the longest horizontal dimension of the roof. **This product design achieves a free open area of 10047 mm²/ per l/m.**

Notes: This product excludes the additional requirements of 18,000 mm²/m at the eaves if the roof has a cathedral ceiling.

EaveFlo BF7000

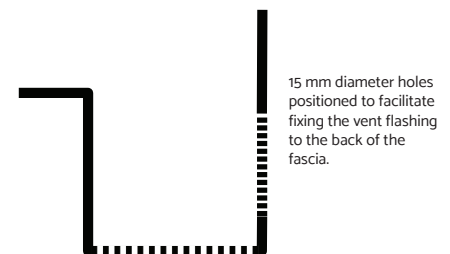


Dimensions



Supplied in 3.900m lengths.

Openings



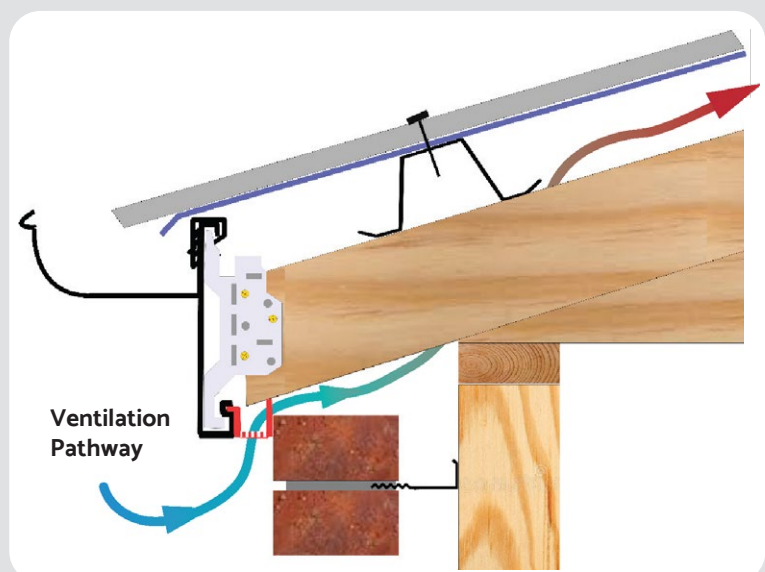
8 rows of 2 mm round apertures spaced at 0.5 mm apart and evenly distributed along the full length achieve a free open area of 10047 mm² per l/m.

How it works

BAL-12.5 to 29

- Positioned behind fascia and fixed to the back of fascia.
- Ventilation pathway between the inside face of the fascia and the brick work or other cladding product.

Design provides additional weather protection from wind driven moisture ingress.



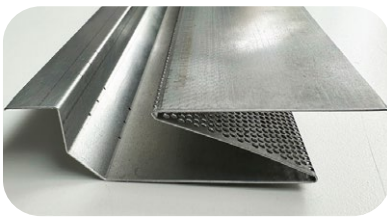
Meets NCC Compliance Requirements

This product meets the requirements of NCC 2022 section 10.8.3, ventilation of roof spaces, at low level for climate zones 6, 7 and 8, where a metal roof must have a roof space that is ventilated to outdoor air through evenly distributed openings in accordance with Table 10.8.3. for roof pitches below 15° requiring an opening of 25000 mm²/m.

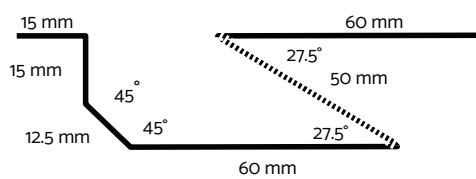
Ventilation openings are specified as a minimum free open area per metre length of the longest horizontal dimension of the roof.

This product design achieves a free open area of 30140 mm²/ per l/m.

EaveFlo SBP25000

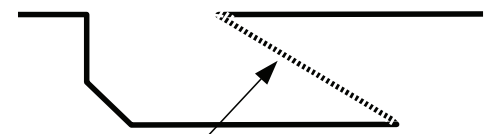


Dimensions



Supplied in 2.40m lengths.

Openings



24 rows of 2 mm round apertures spaced at 0.5 mm apart and evenly distributed along the full length achieve a free open area of 30140 mm² per l/m.

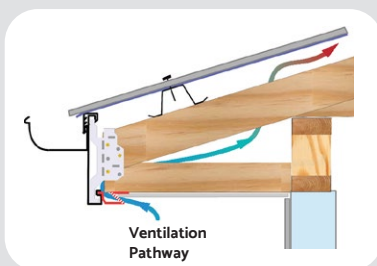
Multiple Uses

BAL-12.5 to 29

This solution has been designed to be flexible, to comply with the NCC and be used across multiple gutter applications including **Eaves & Soffits, Zero Boundary Flashings, Box Gutters, and Parapet Caps.**

How it works

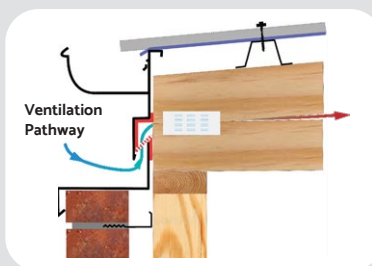
1 Eave/Soffit



- Positioned behind the fascia so that the vent sits above the soffit fascia groove and is fixed to the soffit timber trimmer.
- Ventilation pathway between fascia and soffit sheet.

Design provides additional weather protection from wind driven moisture ingress.

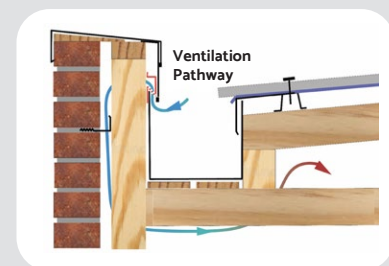
2 Zero Boundary



- A two piece boundary flashing is required for this installation method.
- The vent is fixed to the end of the truss between the upper boundary flashing positioned above the vent and the lower boundary flashing positioned below the vent.
- Ventilation pathway between the two boundary flashings.

Design meets requirements for fire rated boundaries per NCC section 9.2.3, section (5).

3 Box Gutter / Parapet



- Positioned below the top plate of the parapet wall.
- Extended overhang on the inside of the parapet provides a ventilation.
- Box gutter is extended and overlaps the lower flange of the vent.
- Ventilation pathway between parapet cap and box gutter up-stand.
- Directly fixed to parapet framing.

Design provides additional weather protection from wind driven moisture ingress.

All Metal



**The Professional
Metal Contractors Choice**



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With a stunning new choice of metal architectural products, All Metal (Australia) is a leading manufacturer of architectural panels, guttering, custom flashings and tradework in a range of metals such as COLORBOND® steel, ZINCALUME® steel, VM Zinc, Unicote LUX, stainless steel, PREFA aluminium and copper. We also distribute a wide range of roll form products and accessories to numerous industries. We hold up to 250 tonnes of coil at any time across our six manufacturing facilities in Sydney, Wollongong, Central Coast and Newcastle.

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