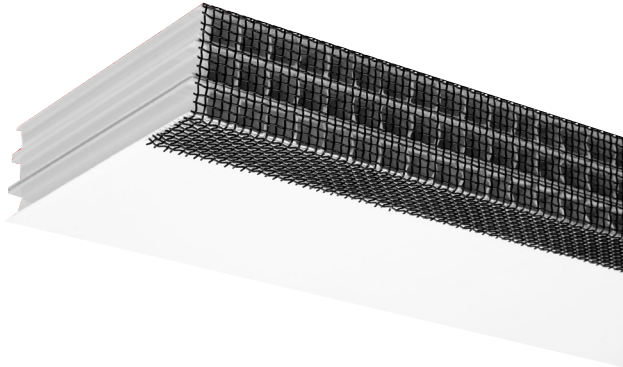


Passive Roof Ventilation Device

Steel Roofing

What is Cor-Vent®?

Cor-Vent® is a passive ventilation device for metal and tile roofing compliant with NCC 2022 ABCB Housing Provisions Part 10.8.3 & Vol 1 F8D5 requirements. Designed to allow passive airflow at both low and high level.

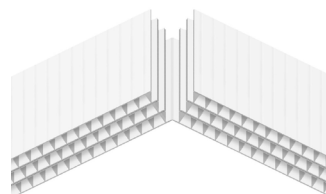


Cor-Vent® 25K BAL & Fire Rate Solutions

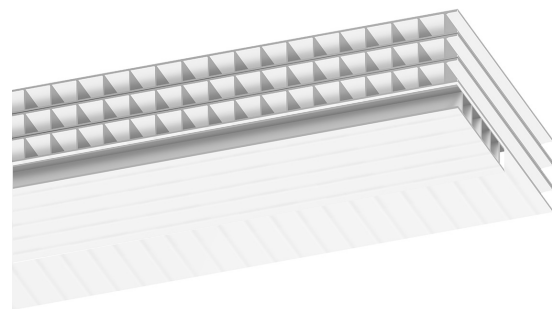
- Corex has developed a BAL rated solution
- Compliant to AS3959 Clause 3.6 (BAL-LOW to BAL-29)
- Supplied with a durable coated external aluminium ember mesh with less than 2mm apertures
- Mesh profile design incorporates additional open area to meet roof ventilation requirements.

Roof Space Ventilation Requirements

Roof Pitch	Ventilation Openings
≥ 0° to < 15°	Up to 25000 mm ² /m along the opposing ends



Find out more 



Features

- Applies to DtS ventilation requirements for climate zones 6,7, and 8
- Designed for roof pitch ranging from 0 to 15 degrees
- Can be used with roof level insulation such as membranes (sarking) and blanket and foil
- BAL tested with Aluminium external mesh
- Light weight and engineered from Corflute®
- Made from recyclable polypropylene(PP)
- Easy to install and offered in lengths up to 2.5 meters
- Can be supplied in a folded version for easy transportation
- Can be screwed or bonded to battens or rafters
- Additional 10mm Corflute® packer strip can be added to make up overall batten height of 40mm

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Dimensions

PRODUCT	OPENING (MM)	WIDTH (MM)	LENGTH (MM)	MIN FREE OPEN AREA (MM²)
Cor-Vent® 25K 50	31	50	2500	25,000
Cor-Vent® 25K 100	31	100	2500	25,000
Cor-Vent® 25K BAL 50	31	50	2500	25,000
Cor-Vent® 25K BAL 100	31	100	2500	25,000
Cor-Vent® 25K BAL 120	31	120	2500	25,000
Cor-Vent® 5K 100 (High Level)	6	100	1200/2500	5,050
Cor-Vent® Packer	10	50	1200/2500	N/A
Cor-Vent® BAL Ridge Vent (High Level)	1	320	2500	5,000-25,000

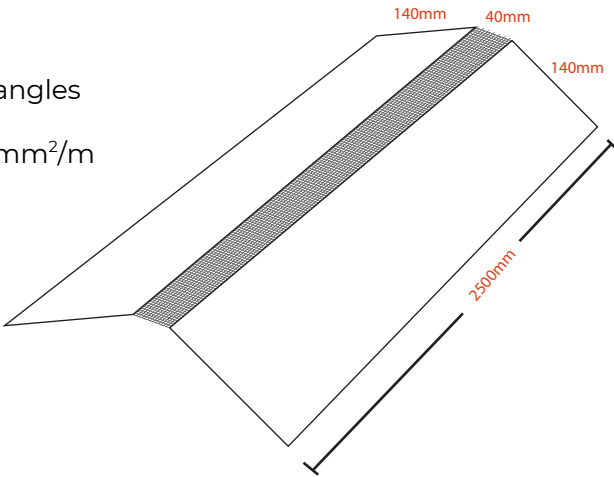
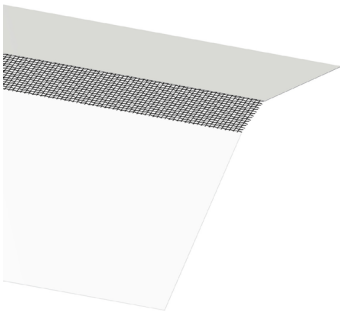
Table Notes:
Cor-Vent® 25 K exceeds DtS 25,000mm²/m
Cor-Vent® 5K exceeds DtS 5,000mm²/m

Technical Data

CRITERIA	TEST METHOD	VALUE
Compression Strength*	AS1301.429S	Avg 600kPa
Melting Temperature	ASTM3418	165°C
Max. Working Temperature	N/A	95°C
Ember Protection (BAL)	AS3959	2mm Al wire mesh

Cor-Vent® BAL Ridge Vent (High Level)

- BAL 29 compliant
- 2500mm L x 320mm (Rolls/Flat)
- Supplied flat, but flexible to suit different angles
- Positioned on top of sarking
- Open vented area - 7000mm²/m - 25,000mm²/m



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Installation Method and Calculations - Low Pitched Roof

Roof Pitch < 10°

- Cor-Vent 25K meet DTS 25,000 mm²/m at each two opposing sides.
- Cor-Vent 25K is rated @ 25,000mm²/m.

Roof open venting calculated as follow:

- DtS calculation: 25,000mm² x 20m x 2 = 1000,000mm².
- Cor-Vent 25K @ 25,000mm², therefore meets requirements for both high- & low-level ventilation.

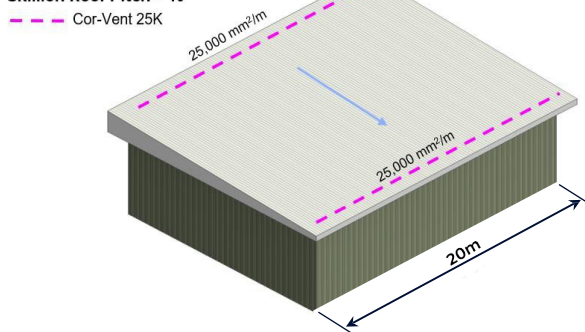
Roof Pitch 10° ~ 15°

- Cor-Vent 25K low level and Cor-Vent 5K high level installed along eaves at a high level.
- Cor-Vent 25K is rated @ 25,000mm²/m and Cor-Vent 5K is rated @ 5,000mm²/m.

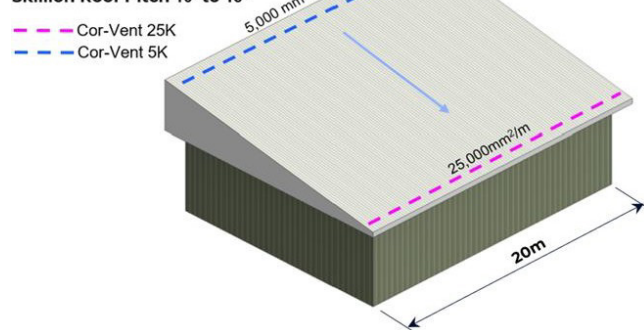
Cor-Vent 5K (High Level)

- DtS calculation High level 5000mm²/m x 20m = 100,000mm²/m & low level 25000mm²/m x 20m = 500,000mm²/m
- Cor-Vent 5K @ 5050mm² x 20m = 101,000 mm²/m & Cor-Vent @ 25000mm² x 20m = 500,000mm²/m Cor-Vent can exceed NCC DtS requirements .

Skillion Roof Pitch < 10°



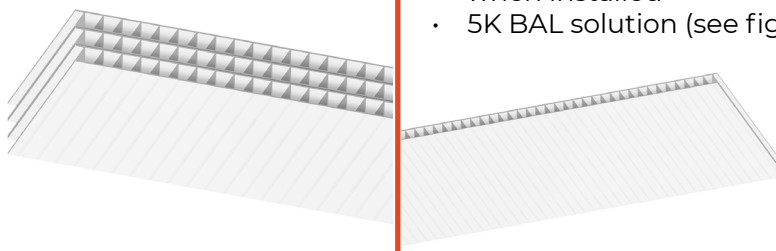
Skillion Roof Pitch 10° to 15°



Installation Guidance

Cor-Vent® 25K Low Pitch Ventilation

- Cor-Vent® 25K should be screwed to rafters with low profile headed fasteners (rec Class 3.). Screw flush or slightly below top face of Cor-Vent®. Minimum 3 places along the length of Cor-Vent® Strip
- Cor-Vent can be cut to size with a Stanley knife or cutting tool
- Sarking is laid over the Cor-Vent® as shown



Cor-Vent® 5K High Level Ventilation

- Temporary fix vent device location to either cladding or flashing (e.g. double sided tape)
- Roofing fastener length should be checked to ensure secure fixing to structure
- Ensure membrane or blanket and foil is terminated at the ridge to maintain ventilation pathway
- Weather proofing must be maintained when installed
- 5K BAL solution (see fig. 6)

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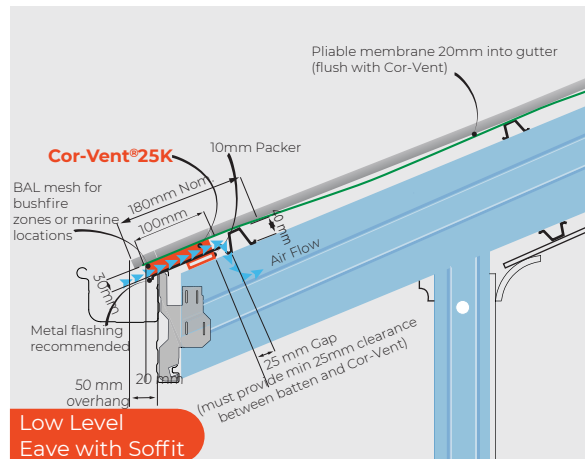
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Cor-Vent 25 K Installed over Eave gutter

- Fix vent device with low profile headed fasteners, fixing below vent surface
- Roofing fastener length should be checked to ensure secure fixing to structure
- Ventilation pathway must be maintained
- Weather proofing must be maintained
- Available Cor-Vent Bal 12.5 ~ Bal 29 compliant solutions in designated bushfire zones.
- Recommend Bal mesh when construction in Marine locations also
- Packer strip of 10mm Corflute can sit under Cor-Vent® 25K
- Storm water management must be maintained when fascia height is dropped for 0°~15° roofing

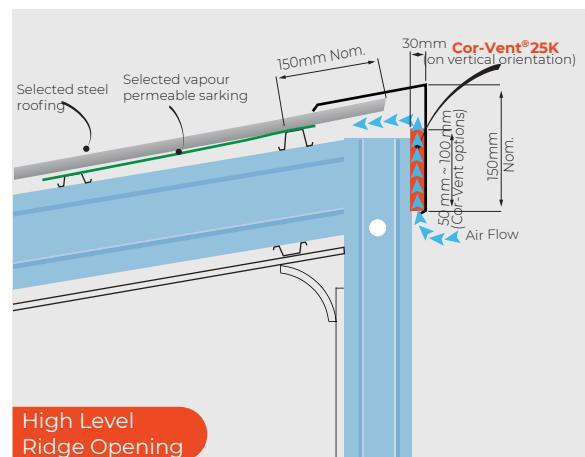
Fig. 1



Cor-Vent 25K Installed high level ridge opening

- Fix vent device with low profile headed fasteners, drive fixing below vent surface
- Roofing fastener length should be checked to ensure secure fixing to structure
- Ventilation pathway must be maintained through structure
- Weather proofing must be maintained
- Stormwater management must be maintained
- Available Cor-Vent Bal 12.5 ~ Bal 29 compliant solutions in designated bushfire zones
- Aluminium ember mesh aperture less than 2.0mm compliant with AS 3959
- Recommend Bal mesh when construction in marine locations

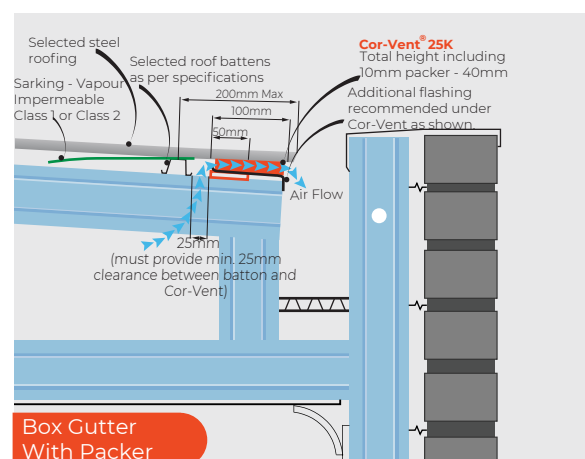
Fig. 2



Cor-Vent 25K Installed over Box gutter
(includes 10mm Corflute packer)

- Fix vent device with low profile headed fasteners, drive fixing below vent surface
- Fastener length should be checked to ensure secure fixing to structure
- Ventilation pathway must be maintained through structure
- Weather proofing must be maintained
- Available Cor-Vent Bal 12.5~Bal 29 compliant solutions in designated bush fire zones
- Encapsulated Aluminium ember mesh with Mesh aperture less than 2.0mm meets compliance with AS3959. Recommend Bal mesh when construction in marine location
- Packer strip of 10mm Corflute can sit under Cor-Vent® 25K

Fig. 3

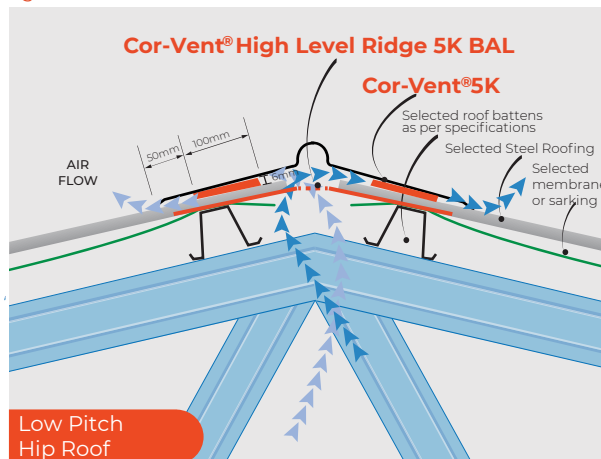


PRODUCT INFORMATION

Cor-Vent BAL Ridge Vent (High Level) Option

- BAL 29 compliant
- 2500mm L x 320mm (Rolls/Flat)
- Supplied flat, but flexible to suit different angles
- Positioned on top of sarking
- Open vented area - 7000mm²/m - 25,000mm²/m

Fig. 4



Cor-Vent 25K Apron Roof to Wall High Level

- Fix vent device with low profile headed fasteners, drive fixing below vent surface
- Roofing fastener length should be checked to ensure secure fixing to structure
- Ventilation pathway must be maintained through structure
- Weather proofing must be maintained
- Stormwater management must be considered when fascia heights are dropped for 0 - 15 degrees roofing

Fig. 5

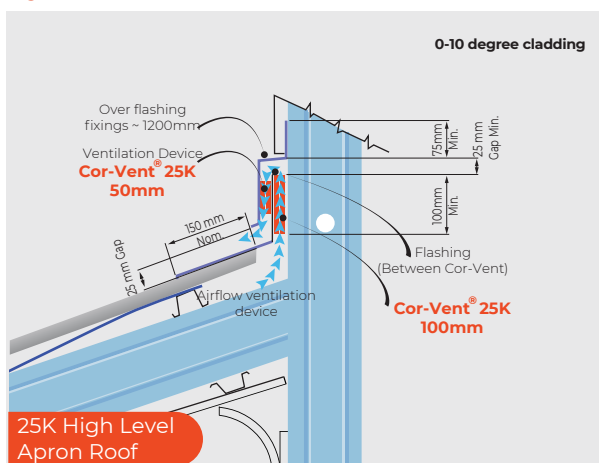
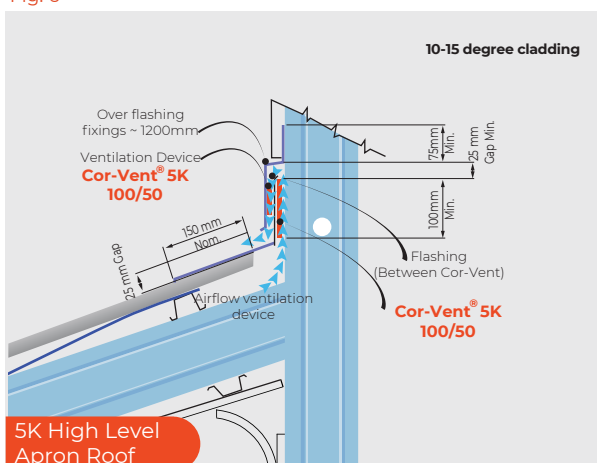


Fig. 6



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