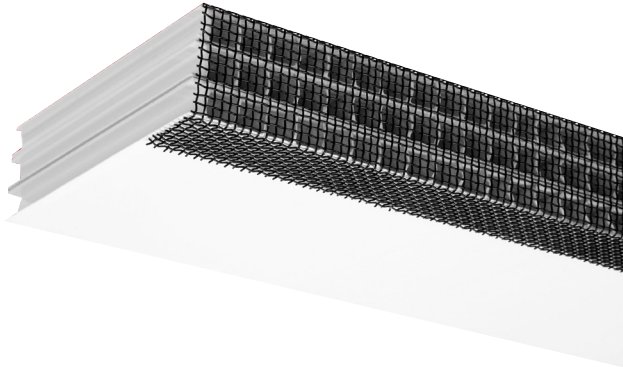


Passive Roof Ventilation Device

Steel Roofing

What is Cor-Vent®?

Cor-Vent® is a passive ventilation device for metal 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.

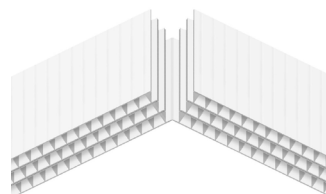


Cor-Vent® 25K BAL

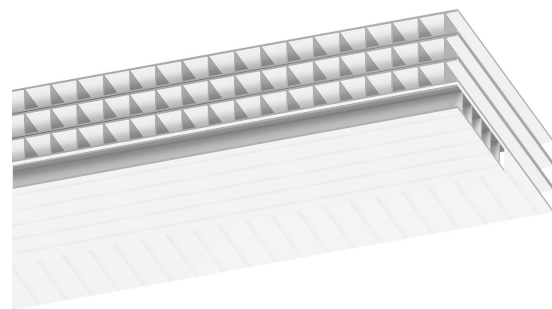
- Corex has developed a BAL rated solution
- Compliant to AS3959 Clause 3.6 (BAL-LOW to BAL-29)
- Supplied with a durable coated external aluminium ember mesh with less than 2mm apertures
- Mesh profile design incorporates additional open area to meet roof ventilation requirements.

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

Corex Plastics (Australia) Pty. Ltd.

261 Frankston Dandenong Road, Dandenong 3175 AUSTRALIA
Phone: +61 3 9238 1300 | Email: building@corex.com.au

* All information is to the best of our knowledge, true and correct. However, as many factors outside our knowledge and control can effect the products, no warranty can be given or implied in respect of such information and no information should be construed as a warranty in relation to the product or its use.

**PROUDLY
Australian** 

Contact Us:
hello@corex.com.au

Find out more
corex.com.au

Dimensions

PRODUCT	OPENING (MM)	WIDTH (MM)	LENGTH (MM)	MIN FREE OPEN AREA (MM ²)
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

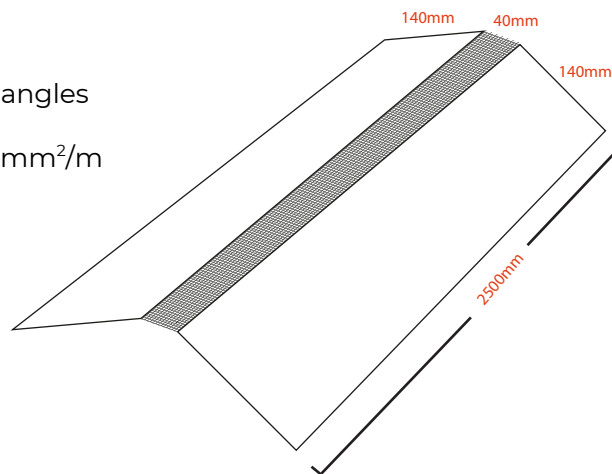
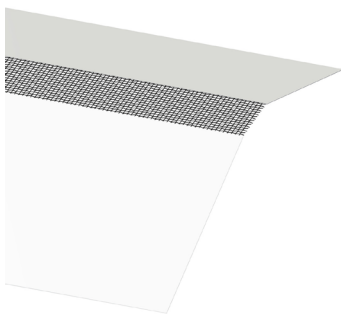
*Version with adhesive tape available.

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



PRODUCT INFORMATION

Corex Plastics (Australia) Pty. Ltd.

261 Frankston Dandenong Road, Dandenong 3175 AUSTRALIA
Phone: +61 3 9238 1300 | Email: building@corex.com.au

* All information is to the best of our knowledge, true and correct. However, as many factors outside our knowledge and control can effect the products, no warranty can be given or implied in respect of such information and no information should be construed as a warranty in relation to the product or its use.

PROUDLY
Australian

Contact Us:
hello@corex.com.au

Find out more
corex.com.au

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.

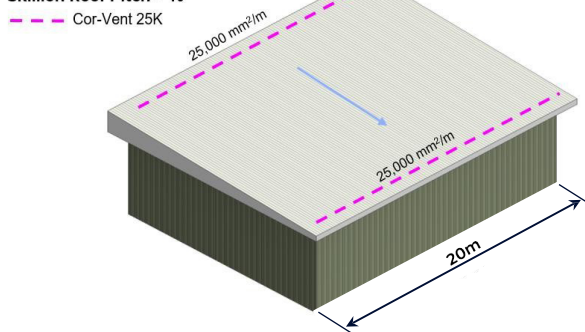
Roof Pitch 10° ~ 15°

- 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.

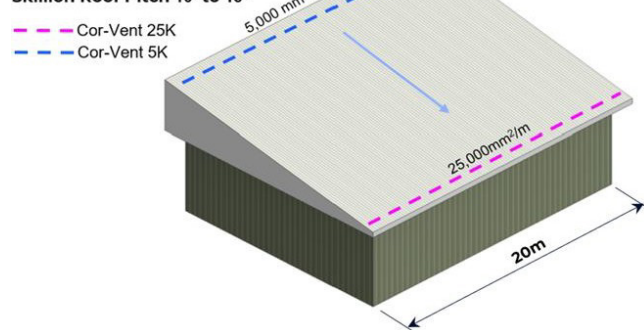
Cor-Vent 5K (High Level)

- 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°



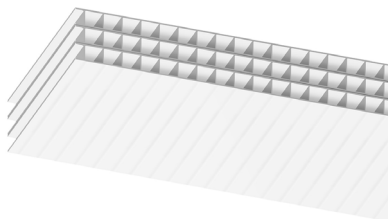
Skillion Roof Pitch 10° to 15°



Installation Guidance

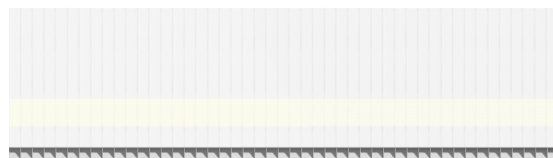
Cor-Vent® 25K Low Pitch Ventilation

- 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)



Corex Plastics (Australia) Pty. Ltd.

261 Frankston Dandenong Road, Dandenong 3175 AUSTRALIA
Phone: +61 3 9238 1300 | Email: building@corex.com.au

* All information is to the best of our knowledge, true and correct. However, as many factors outside our knowledge and control can effect the products, no warranty can be given or implied in respect of such information and no information should be construed as a warranty in relation to the product or its use.

PROUDLY
Australian

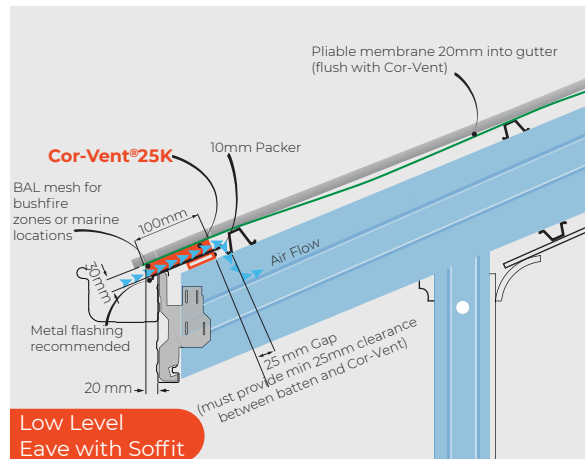
Contact Us:
hello@corex.com.au

Find out more
corex.com.au

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

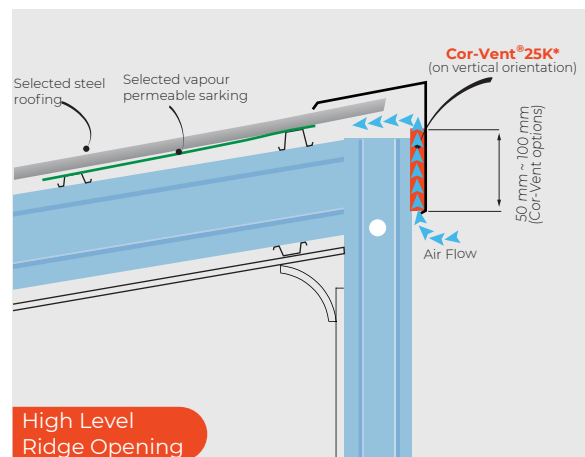
Fig. 1



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

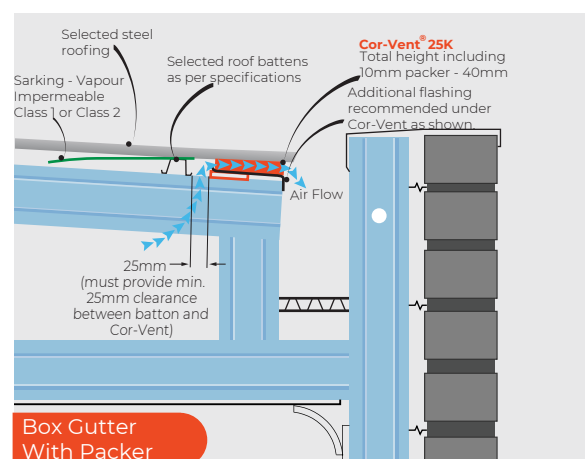
Fig. 2



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



Corex Plastics (Australia) Pty. Ltd.

261 Frankston Dandenong Road, Dandenong 3175 AUSTRALIA
Phone: +61 3 9238 1300 | Email: building@corex.com.au

* All information is to the best of our knowledge, true and correct. However, as many factors outside our knowledge and control can effect the products, no warranty can be given or implied in respect of such information and no information should be construed as a warranty in relation to the product or its use.

PROUDLY
Australian

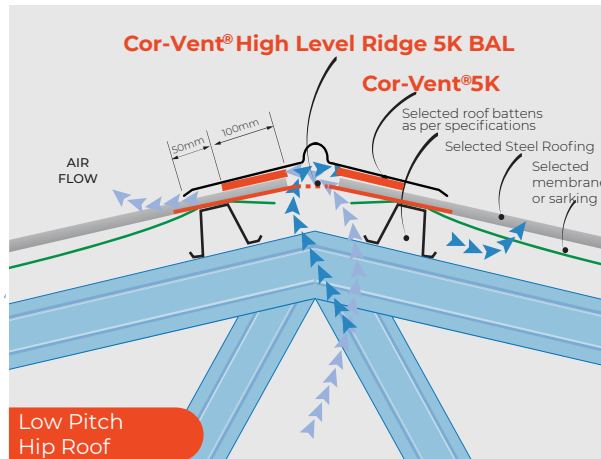
Contact Us:
hello@corex.com.au

Find out more
corex.com.au

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

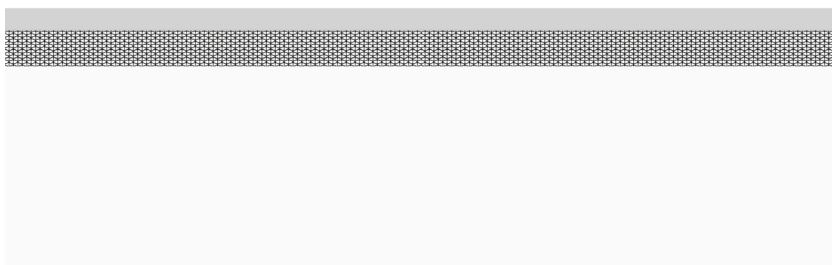
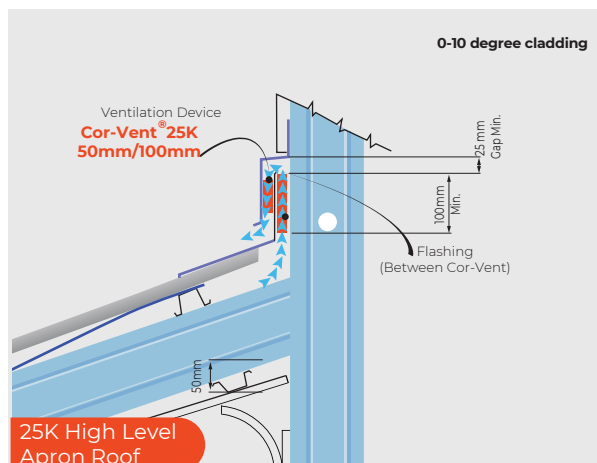
Fig. 4



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



Find out more 

PRODUCT INFORMATION

Corex Plastics (Australia) Pty. Ltd.

261 Frankston Dandenong Road, Dandenong 3175 AUSTRALIA
Phone: +61 3 9238 1300 | Email: building@corex.com.au

* All information is to the best of our knowledge, true and correct. However, as many factors outside our knowledge and control can effect the products, no warranty can be given or implied in respect of such information and no information should be construed as a warranty in relation to the product or its use.

PROUDLY
Australian 

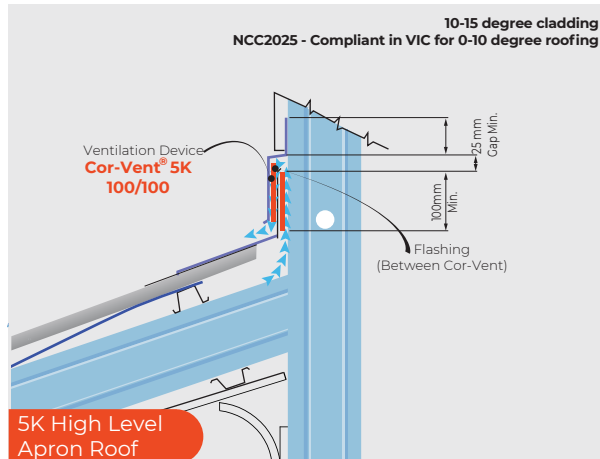
Contact Us:
hello@corex.com.au

Find out more
corex.com.au

Cor-Vent 5K 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. 6

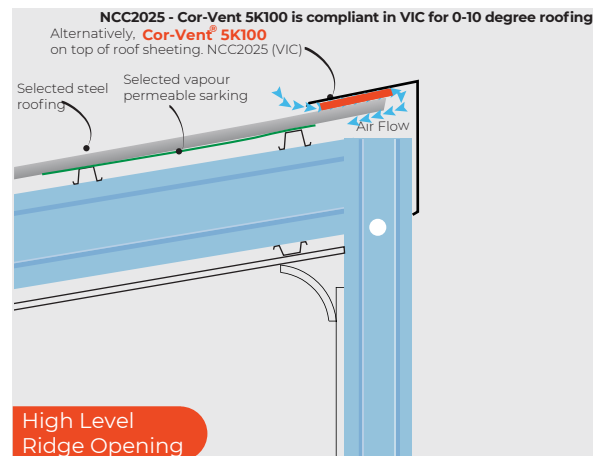


* NCC2025 - Cor-Vent 5K100 is Compliant in VIC for 0-10 degree roofing.

Cor-Vent 5K 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. 7



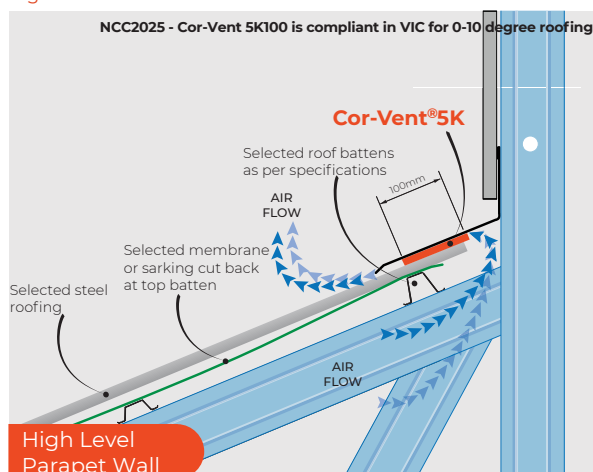
* NCC2025 - Cor-Vent 5K100 is Compliant in VIC for 0-10 degree roofing.

Cor-Vent 5K Installed high level parapet wall



Find out more 

Fig. 8



* NCC2025 - Cor-Vent 5K100 is Compliant in VIC for 0-10 degree roofing.

PRODUCT INFORMATION

Corex Plastics (Australia) Pty. Ltd.

261 Frankston Dandenong Road, Dandenong 3175 AUSTRALIA
Phone: +61 3 9238 1300 | Email: building@corex.com.au

* All information is to the best of our knowledge, true and correct. However, as many factors outside our knowledge and control can effect the products, no warranty can be given or implied in respect of such information and no information should be construed as a warranty in relation to the product or its use.

PROUDLY
Australian 

Contact Us:
hello@corex.com.au

Find out more
corex.com.au