

TECHNICAL DATA SHEET



Vent-A-Roof is the first and only Vent System that is concealed under traditional ridges, hips, barges and wall cladding designs.

The proven alternative to whirlybirds for metal roofing.

HOW VENT-A-ROOF WORKS

Vent-A-Roof uses the exact same thermal principles as whirlybirds and other natural ventilation systems. As the roof space heats, hot air is drawn towards the highest natural point and expels through the louvre and down the pan creating a passive, natural and continuous flow of air.

Also, positive airflow across the ridge of the house creates a negative pressure which pulls air out from the ridge vent and brings in fresh air from the intake vents below. Higher winds result in higher airflow however at the national wind speed average of 15km/hour, 2.5 metres of a Vent-A-Roof system is the equivalent of 1 whirlybird.



FEATURES AND BENEFITS

- » Certified Form 15 ventilation system
- » High natural air flow
 - 2.5 metre of ridge is equivalent to 1 whirlybird
- » BAL certified 12.5 - 40
- » Cyclone Rated for all wind categories (A, B, C & D)
- » Internal pressure of structures decreased by approx. 8%
- » Wind driven rain tested to 177km/h with flawless results
- » Available in all Colorbond colours and common roofing profiles with 2 ridge designs, Roll-top or 3 break.
- » Improves & maintains a comfortable living environment
- » Decreases energy consumption by up to 50%
- » No power, moving parts, or noise
- » Maintenance free
- » Maintains a clean, attractive roofline – hidden underneath the ridge cap
- » Extends the life of the building through natural air circulation
- » Compliance solution for 2019 NCC guidelines pertaining to Condensation Management & Energy Efficiency.
- » Actively prevents the build-up of mould within the ceiling cavity – numerous health benefits

HEALTH AND SAFETY

Poses no immediate hazards. For further information, please refer to MSDS sheet located on the Vent-A-Roof website.

APPLICATIONS

Residential Homes

Light Industrial Buildings

Warehouses

Storage Facilities

Sheds

New Build and Retrofit

Community Housing

Hospitals / Schools / Aged
Care Facilities

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INSTALLATION

- » Ensure roof sheeting is straight with no steps between roof sheets before installation of Vent-A Roof louver, especially regarding hip cut sheets. Maintain a minimum 50mm - 75mm gap between sheet ends.
- » Roof sheets are NOT to be turned up
- » Start installation from left to right
- » Slide Vent-A-Roof louver over the end of the sheet until in correct position
- » Starting from the left end pull down firmly on the louver, so the sheet embeds into the foam a minimum 5mm to ensure water tightness, install 10-12x25mm metal Tek screw through the top row of louver to hold in place
- » On the right end pull down firmly on the louver, so the sheet embeds into the foam a minimum 5mm to ensure water tightness, install 10-12x25mm metal Tek screw through the top row of louver to secure in place
- » Install 10-12x25mm screws in the bottom row of louver directly below top screws to ensure installation (each piece must have four evenly spaced screws) as per manufacturer's recommendations, seal right side join with silicon sealant for a complete seal
- » Slide next Vent-A-Roof louver on an angle overlapping the previous louver until locked into place, pull down firmly and install 10x16 metal Tek screw and continue as per previous steps (each piece must have four screws) where joins do not meet on a sheet rib secure with two 10-12x25mm screws
- » Continue to install each Vent-A-Roof louver on both sides of top ridge and hips where required
- » Install ridge cap over fitted Vent-A-Roof louver and secure to either batten or every second roof sheet rib. Refer to Vent-A-Roof website for detailed fixing.

IMPORTANT INSTALLATION NOTES

- » Do not turn up the sheets. For roofs with a pitch of under 5 degrees, please contact the manufacturer for installation instructions.
- » When laying the roof sheets, please ensure the sheets are laid straight.
- » When installing the louvres, always remember to embed the foam into the roof sheet at least 3mm to create a watertight seal.
- » Silicon all joins, in particular ensuring that there is no gap between the foam.
- » Always follow the manufacturer screw pattern guidelines.
- » The throat gap between the Vent-A-Roof louvers is recommended to be 50mm-75mm minimum.
- » For retro-fit installations, previous screw holes are to be sealed for waterproofing.

PHYSICAL CHARACTERISTICS & PACKAGING

Louvre Height	To Suite	Width (mm)	Length (mm)	Qty per Box	Lineal Meters per Box	Box Weight per KG	Boxes to Pallet	Pallet Weight per KG
18mm	Corrugated	127	1500	10	15	14.51	49	689.91
30mm	5 Rib	127	1500	10	15	14.97	35	577.42
44mm	Concealed Clip	127	1500	10	15	15.42	21	508 TBA

- » Manufactured from .4mm Zinc Aluminium
- » Packed in a cardboard box – installation instructions are located on the box

DISCLAIMER

The install of this product is beyond the manufacturer's control, and liability is restricted to the replacement of material proven faulty. The manufacturer is not responsible for any loss or damage arising from incorrect installation. Installers are asked to check that Vent-A-Roof is installed to the manufacturer's install guide. The information contained herein is to the best of our knowledge true and accurate.