

Testimonials

"In order to avoid bacteria, mould and moisture in the home, we need to increase the airflow in our homes by ventilating the roof space. Roof ventilation is therefore critical to creating this airflow and removing both bacteria and household odours."

Peter Dingle, Professor of Science, Murdoch University

"I recently built a home in Geraldton and was fairly concerned at how the roof would look, as I didn't like the look of one of those whirlybirds. With the installation of the E-Vent™ however, I don't even notice it on the roof. It looks great and does the job it is made to do. Well done and keep up the good work."

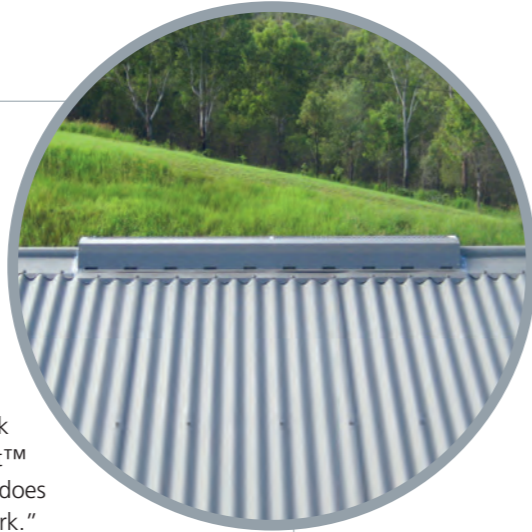
W Taylor, new home owner

"As a professional roofer I know that E-Vents™ are an excellent ventilation system for our climate in Queensland. That's why I recommend them to my customers."

Greg Barrett – Roofer

"Just a short note to congratulate your company on the invention of the E-Vent™. I was concerned that my zincalume roof home would be hot, but E-Vent™ has helped create a cooler temperature inside my home than other zinc roof homes I've been in. Even better, the vent is barely noticeable on the roof."

D Tropiano, new home owner



Ask your builder or architect ...

... how little extra it will cost to add E-Vent™ to your metal roof home. Remember that without E-Vent™, every year you will either suffer hotter temperatures or higher air conditioning costs.

Call Darwin Metal Industries on (08) 8947 2655 for enquiries about E-Vent™.

E-Vent™ Patent No. 673749

e-vent™

Darwin
Metal
Industries

environmental venting solution

Reduce the temperature inside your metal roof home with E-Vent™.



Darwin
Metal
Industries



Colorbond®

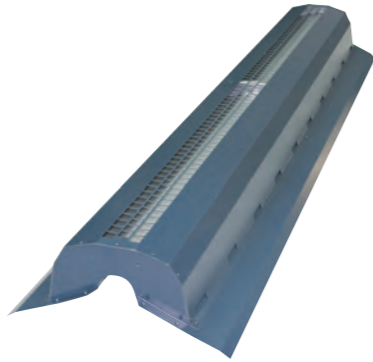
Darwin Metal Industries

67 Coonawarra Road
Winnellie NT 0820

Telephone: (08) 8947 2655
Facsimile: (08) 8947 2669
Email: sales@darwinmetal.com.au

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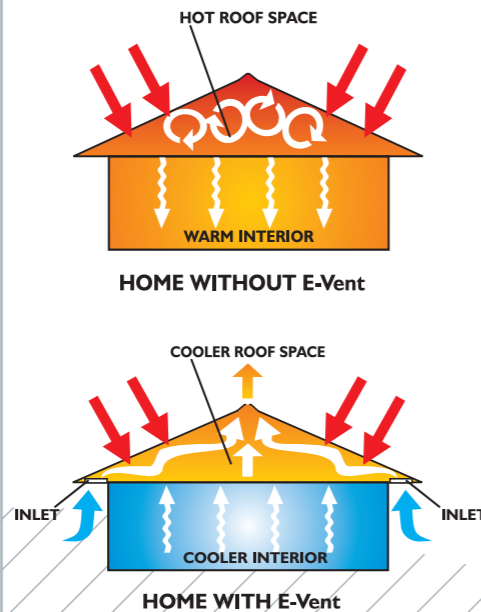
E-Vent™ is a low cost, highly effective, environmental venting solution for metal roof homes and buildings. E-Vent™'s aesthetic low profile goes almost unnoticed on the ridge cap and ventilates the roof space, removing hot air, house odours and bacteria, resulting in significant reductions in temperature, condensation and power costs.



WHAT IS E-VENT™?

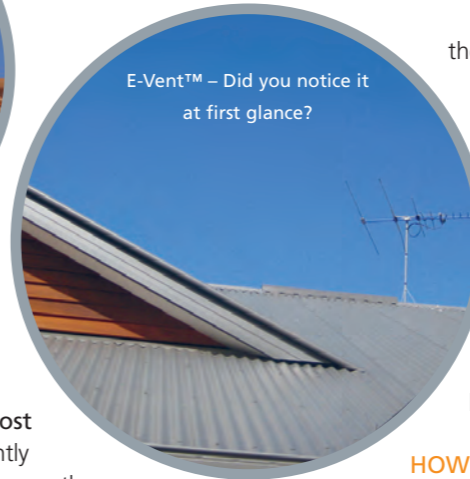
E-Vent™ is a new natural ventilation system with applications for both industrial and residential buildings with metal roofing.

Seated alongside (and in place of) the ridge cap, E-Vent™ extracts hot air from the roof space with an innovative design that harnesses the combines natural forces of differential air pressure and convection. Designed by architect Ean McDonald to overcome the many problems with existing ventilation systems on the market, E-Vent™ has been found to be a highly effective, efficient and environmentally friendly venting solution (hence the 'E' in E-Vent™).



HOW DOES E-VENT™ BENEFIT YOU?

- **E-Vent™ reduces heat indoors** – Irrespective of whether insulation is used, E-Vent™ will lower the internal temperature of a roof space. Used with appropriate inlet ventilation, E-Vent™'s constant natural extraction will remove hot air in the roof space, reducing heat transfer to rooms below.
- **E-Vent™ is a part of the roofline and is barely noticeable** – Almost indistinguishable from the ridge cap, E-Vent™'s low profile design is unobtrusive and aesthetically integrated in matching BluScope COLORBOND™ to give the roof a good clean appeal.
- **E-Vent™ effectively removes noxious gases, airborne bacteria and household odours** – Sealed metal roofs not only trap hot air, but also enclose and spread smoke, gases, bacteria, toilet odours and cooking smells through adjoining rooms. E-Vent™ works by naturally exhausting the whole roof space, and continually drawing fresh air into the roof area and simultaneously removing unwanted stale air.
- **E-Vent™ reduces air conditioning costs** – As E-Vent™ lowers the normal inside temperature of a house or building, air conditioning costs are significantly reduced. Savings on air conditioning costs (both with and without insulation) mean E-Vent™ will often have paid for itself after only the first summer.



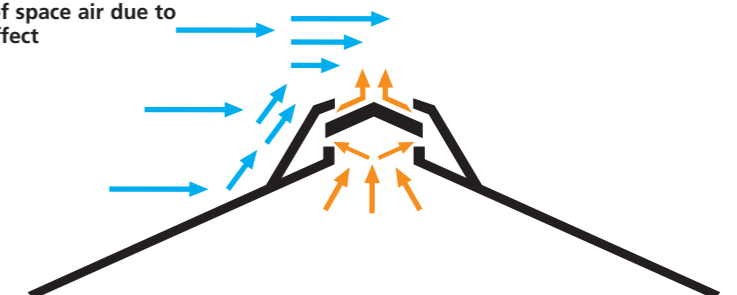
therefore no additional labour cost should apply. For the first time, E-Vent™ provides home owners with a hassle free ventilation system that can be easily installed during the normal building process.

HOW DOES E-VENT™ WORK?

Using principles first expounded by Bernoulli and Venturi in the 18th century, Architect Ean McDonald created his E-Vent™ natural ventilating system, now available in various forms from Darwin Metal Industries. Bernoulli propounded that the pressure of a moving body of air or water is least where the velocity of the mass is greatest. In simple terms, by accelerating an air flow across a given surface or opening, a pressure differential can be created to produce a natural force and that harnessed force can produce power. It is applied in aircraft flight and venturi systems generally.

Warm air rises due to stack effect

Wind accelerates across E-Vent™ opening, extracting warm roof space air due to venturi effect



- **E-Vent™ is a low, one off cost** – At a significantly lower price than any other form of insulation or ventilation, E-Vent™ comes at a very small cost for the vast array of benefits it provides. When looking at your roofing options, you'll be amazed at how little E-Vent™ will cost to add to your roof.
- **E-Vent™ requires absolutely no maintenance** – E-Vent™ comes with a lifetime warranty and once installed, it will never require maintenance. As E-Vent™ has no moving parts, you will never have to worry about the repair or replacement of components that is a common problem with other rotating ventilators. You can rely on the quality of this product to effectively exhaust hot air for the life of your home.
- **E-Vent™ is a no cost, no fuss installation** – Unlike other ventilation systems on the market, E-Vent™ does not require separate installation to the roof by a specialized person. As E-Vent™ is installed with the ridge cap by the normal roofing contractor, there is no requirement for roof penetration, no additional contractors are needed and

“E-Vent™ comes with a lifetime warranty and once installed, it will never require maintenance”

E-Vent™'s harness this natural power by creating low pressure areas on the upper and downwind sides of the vents creating a natural and effective exhausting air pump. That in turn means that air at normal pressure within a building will be literally sucked out by wind flow. And on the stillest of air days, E-Vent™ still work by reason of simple convection or 'stack effect'.

OTHER APPLICATIONS

- ridge vent strips
- sloped roof skylights
- flat roof skylights
- vents for wet areas such as bathrooms, kitchens or toilets
- condensation prevention and extraction
- fire warning vents
- high fume or dust extraction

OTHER BENEFITS

- cost-free operation
- early smoke detection
- condensation management
- leaf and vermin proof
- rain draining
- satisfies all building laws
- tailor made to each installation
- non rusting materials