

# Insulation + Ventilation

## A Smarter Comfort Solution

**Plus**  
Save more  
on energy  
costs



## MORE COMFORT - LESS ENERGY

Without insulation, even the best designed and constructed home will allow heat to pass through external surfaces - as much as 42% of a home's heat can transfer through the ceiling alone.

The result is that in summer, your home will get hotter faster and in winter it will be harder to keep warm. That means

running energy hungry heaters and air conditioners to maintain a comfortable temperature in your home.

Installing ceiling insulation is the most effective way to keep your heating and cooling energy costs down. It works by slowing the transfer of heat to keep your home more comfortable and reduce your heating and cooling energy use.



## SUPERCHARGE YOUR INSULATION







Insulation does a great job of slowing the transfer of heat between the roof space and the living areas in your home. But on hot days, heat can still build up over time.

Considering the heat inside your roof can reach 70°C you can understand the tough job that insulation has to do.

Edmonds roof ventilators reduce the roof space heat build up by expelling hot air, which enables it to be replaced with cooler air from outside. This makes your insulation work far more effectively.

# INSULATION + VENTILATION FOR EVERYWHERE IT'S NEEDED



Bradford Gold	Bradford Soundscreen	Windmaster	SupaVent	TurboBeam	
					
<p>The most cost effective solution for walls, ceilings and floors, with a full range of R-Values to suit all climates.</p>	<p>High performance insulation with increased noise control. For use in internal/external walls, ceilings &amp; between floors in 2 storey homes.</p>	<p>300mm aluminium ventilator available in a choice of 26 colours, the largest choice of any ventilator in Australia.</p>	<p>Made from hail resistant polymer, vertical blade design and stainless steel bearing. 15 year warranty.</p>	<p>Adds light to attics and sheds. Made from sturdy acrylic with lubricated bearings for long life and performance.</p>	<p>Rem from comf</p>



WhirlyMate

Bradford Gold  
Bradford Soundscreen

### Living space ventilation

By installing an Edmonds WhirlyMate ceiling grille in conjunction with roof ventilation, you can have more control over the interior temperature of your home. WhirlyMate grilles are openable to allow warm air to escape from the living space. In cooler periods the WhirlyMate can be closed to retain warm air in the living space.



### An ideal companion for air conditioning

Because Edmonds ventilation keeps your home cooler in summer, your air conditioning won't need to work as hard. So you'll be just as comfortable, but spending less on energy. If you have air conditioning ducts in your roof space, Edmonds ventilation helps even more by reducing the heat load on the ducts.

### Remove moisture for a healthier home

Moisture can build up in your roof space due to bathroom exhaust fans and condensation. This can lead to mould and mildew and even cause rot that can effect the structural integrity of your roof. Effective roof ventilation removes this moisture providing a healthier environment for your family.



WhirlyMate	Maestro	EcoFan
		
<p>Removes trapped heat, directly from the room, to help maintain comfort levels.</p>	<p>A high efficiency power ventilator, that does the job of up to four wind powered ventilators. 12v or solar powered models available.</p>	<p>Low voltage, high output powered fan to remove stale damp air from sub floors.</p>

# HOW DOES IT WORK

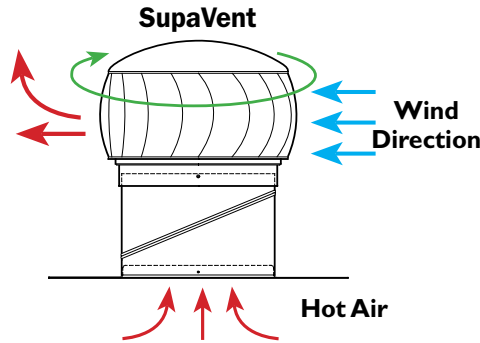
## Bradford Gold Insulation

The millions of tiny air cells in Bradford Gold Insulation slow the transfer of heat through your ceiling to maintain a more even temperature inside your home all year round.



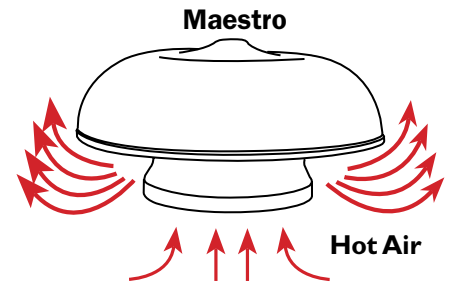
## Edmonds Ventilation

Ventilation works actively to reduce temperatures by replacing trapped hot air with cooler air from outside. A wind powered ventilator, such as Edmonds SupaVent, works by the exhaust forces created by the turning turbine.

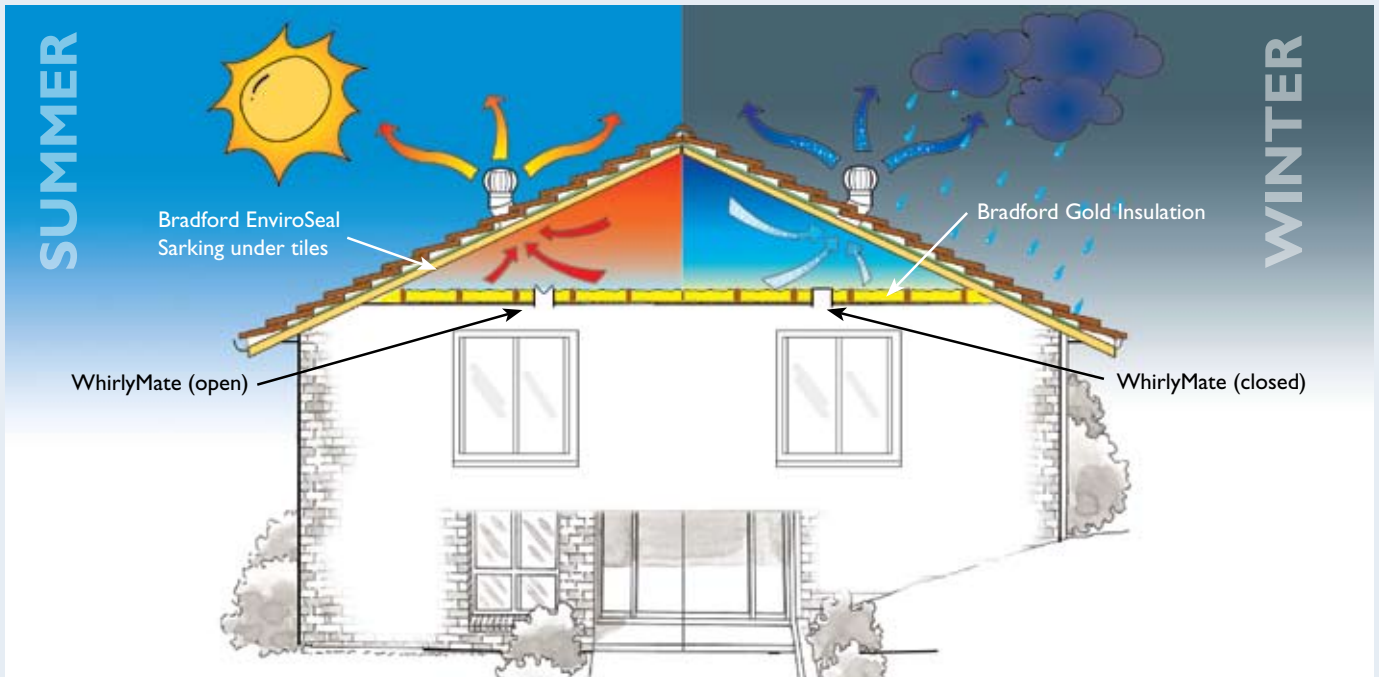


## Edmonds Ventilation

A mechanical ventilator, such as Edmonds Maestro, is electrically or solar powered and provides a predictable high flow rate at a low operating cost (less than \$10 per year).



## INSULATION + VENTILATION



### Bradford Gold ceiling insulation - absolutely essential

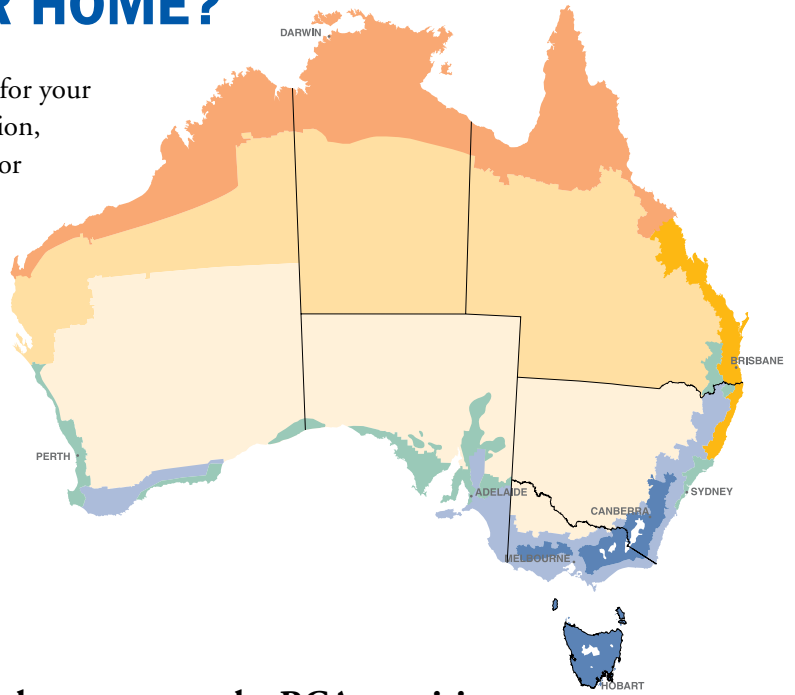
- Stops up to 70% of heat transfer through your ceiling
- Keeps your home cooler in summer, warmer in winter
- Saves on heating and cooling energy costs
- Lifetime guarantee
- A cost effective way to improve your home's comfort
- Reduces your greenhouse gas emissions

### Edmonds ventilation - improving insulation effectiveness

- Gets rid of the hot air in your roof space in summer to help your insulation work far more effectively
- Expels damp air in winter which can affect building structures and the effectiveness of insulation
- Decreases heat load on ceiling ducted air conditioning
- Increases your energy cost savings
- An inexpensive way to improve your home's comfort

# WHAT'S RIGHT FOR YOUR HOME?

Knowing the best combination of insulation + ventilation for your home is dependent on a number of factors including location, aspect, windows and much more. Your Bradford Distributor will be able to assess your particular situation and advise you of what's best for you.



## Minimum levels

As a rule, you can use the 'deemed to comply' insulation levels in the BCA to establish the minimum level of insulation which would be required for a new home to comply. Then, add the right amount of wind powered vents for your size and shape home. Adding higher levels of insulation will provide even greater levels of comfort and energy efficiency all year long.

## Minimum levels of Bradford Insulation products to meet the BCA provisions

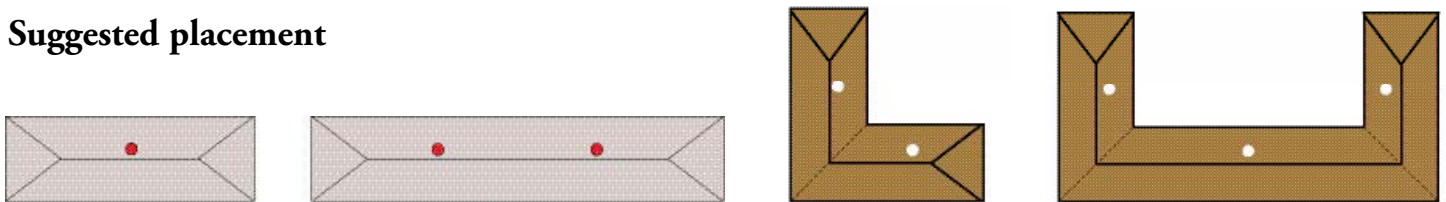
Climate Zone	Zone 1	Zone 2 <300m	Zone 2 >300m	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7	Zone 8
<b>Pitched roof with flat ceiling</b>									
<b>Tiled without Foil</b>	R2.0	R2.0	R3.0	R2.5	R3.5	R3.0	R3.5	R4.1	R5.0
<b>Tiled with Enviroseal Roof</b>	R1.5	R1.5	R2.5	R2.0	R3.0	R2.5	R3.0	R4.1	R4.1
<b>Metal roof</b>	Anticon 95	Anticon 95	Anticon 55 + R1.5 Batts	Anticon 95	Anticon 55 + R2.0 Batts	Anticon 55 + R1.5 Batts	Anticon 55 + R2.0 Batts	Anticon 55 + R2.5 Batts	Anticon 55 + R3.0 Batts

## Recommended ventilation levels

If your roof is a regular shape, one vent is sufficient for around 10 squares (90m<sup>2</sup>).

Building Squares	m <sup>2</sup>	No. of Vents
<10	<90	1
11 - 20	91 - 180	2
21 - 30	181 - 270	3
30+	270+	4+

## Suggested placement



To make your home more comfortable and energy efficient, call your nearest Bradford or Edmonds distributor on 1300 850 305

**Bradford™**  
for smarter environments

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