

Bradford™

for smarter environments



Building
for comfort
and energy
efficiency



Bradford™

for smarter environments

Building a new home is a big investment. It makes sense to consider not only the upfront costs of building but also the ongoing costs of running your home. That's because an energy efficient home is a better home for you and your family to live in.

Today more and more builders are taking steps to build better, energy efficient homes. However, there are a few more decisions you can make to ensure you build a home that is comfortable, well designed and energy efficient. It is wise to make the decisions before you build as it's more cost effective to build-in energy efficiency measures at the time of construction. Whatever you decide today will not only improve your lifestyle and comfort, but will reduce your heating and cooling costs for many years to come.

Bradford offers a comprehensive range of products that will help you build a quieter, healthier, more comfortable home that's also economical to run and less reliant on expensive heating and cooling.

It's a whole-of-home approach that will keep you cooler in summer, warmer in winter and save energy all year around. You can choose from thermal and acoustic insulation to wall wraps and roof sarking, solar power generation and ventilation, all of which will make a big difference to the comfort of your home. It all adds up to a home that's easier on the environment too.

Bradford products are backed by warranties to ensure quality and performance. This provides peace of mind that the products you've selected are supplied by the most trusted name in energy efficiency – Bradford.

So take a look at how Bradford can make your home affordable to build, great to live in and efficient to run.

“ Our renovating experience, on television and in real life, taught us the importance of including energy efficiency measures in the home.”

Dan & Dani – BUILDER AND RENOVATION PERSONALITIES

► Visit csrbradford.com.au and view our series of videos on how you can upgrade your home.



Bradford is the only approved insulation partner of the National Asthma Council Australia's Sensitive Choice® program for the products listed below.

- | | |
|--|---|
| ■ Bradford Gold ceiling batts | ■ Bradford Acoustigard batts |
| ■ Bradford Gold Hi-Performance ceiling batts | ■ Bradford Optimo Underfloor insulation |
| ■ Bradford Gold wall batts | ■ Bradford Anticon roofing blanket |
| ■ Bradford Gold Hi-Performance wall batts | ■ Edmonds ventilation products |
| ■ Bradford SoundScreen | |



A home that incorporates Bradford products is more comfortable and energy efficient all year round.

Bradford™ gold hi-performance

THE **SMARTEST** DECISION YOU'LL EVER MAKE

Insulation acts as a barrier to heat flow and helps to keep your home cool in summer and warm in winter. The amount and type of thermal insulation in your home can really affect how comfortable your home is all year round and how often you need to use heating and air conditioning. As the extremes of temperature in the home are reduced there is less need for air conditioning and heating. This saves money on energy bills and helps the environment, given most of the electricity in Australia is still generated from non-renewable natural resources. Invest in the best insulation from top to bottom in your home by upgrading your ceiling and wall insulation to Bradford Gold Hi-Performance.

THE SMART CHOICE IS GOLD

When you're thinking about ceiling and external wall insulation, Bradford Gold Hi-Performance insulation offers the highest R-Value insulation available in Australia and provides the ultimate in comfort and energy efficiency. The higher the R-Value, the better the resistance to heat. So with higher R-Values, you need less energy to heat and cool your home to a comfortable temperature.

For more information visit bradfordinsulation.com.au

*Excludes Gold Hi-Performance wall batts when tested to AS1530-1.

Bradford Gold Hi-Performance batts will provide peace of mind to you and your family.

- Made in Australia for Australians
- Made by Bradford, Australia's most respected insulation company for over 80 years
- Backed by CSR serving Australia since 1855
- 70 year performance warranty
- Meets the highest Australian insulation standards
- Non-combustible*
- Environmentally sound, made from up to 75% recycled glass.

Australia's
leading
insulation
for 80
years





WE CALL IT SOUNDSCREEN YOU'LL CALL IT HEAVEN

Nothing beats peace and quiet. That's why one of the most important things to consider when you're building a home is good acoustic insulation. Bradford SoundScreen is Australia's most popular and trusted acoustic insulation because it really does screen out unwanted noise.

Installing Bradford SoundScreen in external walls when you're building your home is the easiest way to effectively reduce unwanted outside noise from heavy traffic, aircraft or noisy neighbours.

Installing Bradford SoundScreen in interior walls or between a first floor ceiling and second storey floor can reduce sound power by up to 75%.

SoundScreen is ideal for home theatres, home offices, studies, bedrooms and bathrooms – in fact, any room in the house where noise control is important.

Investing in cost-effective SoundScreen acoustic insulation at the time of construction really does make sense. You'll be improving the comfort and liveability of your home.

Many factors affect the noise levels in today's modern house:

- The trend towards lighter construction materials
- Open plan living
- Medium density construction
- Popularity of hard tile or timber floors
- More powerful entertainment systems
- Kids living at home for longer.

BENEFITS OF SOUNDSCREEN

- Reduces noise transfers between rooms
- Controls noise in two storey homes between first and second floors
- Creates quiet zones
- 70 year warranty
- Low allergen partner of National Asthma Council's Sensitive Choice® program.

“ A wall insulated with SoundScreen provides a sound reduction of approximately 10dB over the same wall with no insulation. ”

Dan & Dani – BUILDER AND RENOVATION PERSONALITIES

- ▶ Visit [soundscreen.com.au](https://www.soundscreen.com.au) to view our SoundScreen video and see how you can upgrade your home.

Leading
builders agree
there's no better
way to screen
sound



Photo courtesy of Carlisle Homes





A PROTECTIVE **SECOND SKIN**™ FOR YOUR HOME

Your roof is not complete without sarking

Bradford Thermoseal wall wrap and roof sarking products act as a protective Second Skin™ for your home. They are designed to protect your home from wind-driven rain and dust, as well as helping your insulation work more efficiently. Installed in your new home, Bradford Thermoseal products will help to make your home more energy efficient and comfortable.

Thermoseal roof sarking combines the benefits of reflective thermal insulation and weather protection. Installed under your roof, it reduces heat transfer into your home and allows ceiling insulation to work more effectively. This helps to keep your home cooler in summer, reducing the need for artificial cooling and helping you to save money on your energy bills.



Roof sarking also acts as a weather barrier, reducing the chance of wind-driven rain and dust entering your roof. It also protects against water entry if your roof is damaged in a storm and is BAL (Bushfire Attack Level) compliant to provide a secondary form of ember protection.

Thermoseal wall wraps are an effective form of weather protection, thermal insulation (when combined with a reflective air-space) and draught control in framed wall construction. They also provide water entry protection behind many modern claddings and are recommended by most lightweight cladding manufacturers for use behind fibre sheet cement and other permeable wall cladding.

During the construction phase, Thermoseal wall wraps protect the building frame and help to improve the overall project completion time by allowing internal fit-out to proceed even when inclement weather and external trade delays occur.

Recommended for warmer climates – ask Bradford about which product best suits your needs.

For more information visit bradfordthermoseal.com.au



WRAP UP AGAINST THE ELEMENTS

Enviroseal Proctorwrap lets your building breathe

The drive for energy efficient buildings has resulted in higher levels of insulation in the ceiling and walls, as well as reduced air leakage due to modern energy conscious building practices. As a result, moisture created inside the home as a result of cooking, showering, washing and even breathing can no longer easily escape, so the risk of condensation forming inside the home needs to be controlled.

Condensation is liquid water and is often seen on the inside of windows on a cold morning. When condensation forms in inaccessible areas such as behind wall and ceiling linings, it can form mould that can lead to health issues for the occupants, visual staining and long term decay of the building frame if left untreated.

Enviroseal ProctorWrap wall wrap and roof sarking products are highly vapour permeable and are designed to allow moisture to pass through them whilst keeping liquid water out. These membranes are weather-tight, helping to prevent the entry of wind-driven rain and dust from outside, which allows insulation to work more efficiently. By allowing the vapour to pass through them, these membranes allow the condensation to occur on the outside of the building frame and safely drain away.

Available as a wall wrap or roof sarking, these membranes can be installed during the construction phase to protect the frame, helping to improve the overall project completion time by allowing internal fit-out to proceed even when inclement weather and external trade delays occur.

Recommended for colder climates – ask Bradford about which product best suits your needs.

► Visit bradfordinsulation.com.au to view our Enviroseal video.





THE **TRUSTED NAME** IN METAL ROOF INSULATION

If your new home incorporates a metal roof then you should consider installing Bradford Anticon insulation to ensure it performs at its best. Bradford Anticon is a glasswool insulation blanket faced with a reflective foil laminate – it turns a good roof into a great one, both stylish and functional.

Anticon not only helps keep out the summer heat and stop the warmth leaving the home in winter but also helps prevent condensation forming under your metal roof.

■ **Acoustic insulation**

Reduce unwanted airborne noise such as aircraft or traffic and also provide a dampening effect to reduce impact noise such as rain or hail. By reducing temperature variation, Anticon also assists in minimising 'metal creeping noises' which can occur in the building structure.

■ **Thermal insulation**

The reflective foil reflects up to 95% of the radiant heat entering your roof cavity and helps limit the warmth leaving your home.

■ **Condensation control**

Reduce the risk of condensation forming under your metal roof. Condensation can cause damage to plasterboard ceilings, roof fixings, reduce the effectiveness of ceiling insulation and promote mould growth.

■ **Fire performance**

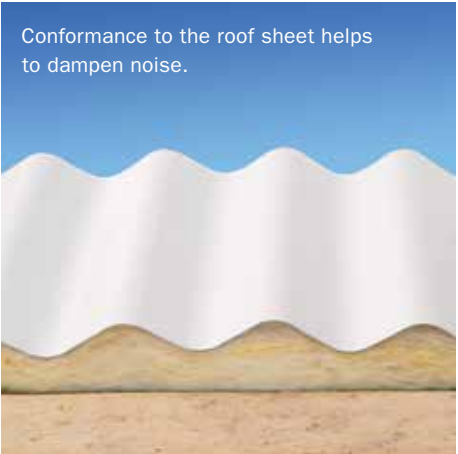
Anticon's bulk insulation blanket is made from a non-combustible* blanket and meets the BAL[#] requirement for metal clad roofs in bushfire areas, by reducing the potential for ember attack.

For more information visit bradfordinsulation.com.au

*When tested to AS1530.1.
#BAL (Bushfire Attack Level) – for full requirements refer to Bradford's Bushfire Design Guide.

A photograph showing two construction workers in high-visibility clothing installing a large roll of white Bradford Anticon insulation on a metal roof. The workers are positioned on the roof, with one worker in the foreground and another further back. The insulation is being unrolled over the metal roof sheets. A large red circle is overlaid on the image, containing the text 'Right at home under Australian roofs'.

Right at
home under
Australian
roofs

A diagram illustrating the cross-section of a roof assembly. It shows a blue sky at the top, followed by a corrugated metal roof sheet. Below the metal sheet is a layer of white insulation with a wavy, reflective surface. At the bottom is a brown layer representing the floor or ground. The text 'Conformance to the roof sheet helps to dampen noise.' is written in the sky area.

Conformance to the roof sheet helps
to dampen noise.



BEAT RISING ENERGY COSTS WITH **BRADFORD SOLAR**

Australia is one of the sunniest countries in the world, so installing a solar PV system on your new home is a smart and practical way to save money on your energy bills now and into the future.

Over one million Australian homes have already said yes to solar power.

A Bradford Solar PV system harnesses the free solar energy from the sun to help you generate clean, sustainable energy that can power your home and significantly reduce your energy bills.

When you install a Bradford Solar PV system, your home uses electricity produced by the panels. If your home uses more power than the solar system generates, the grid will supply the additional power needed.

Bradford Solar will be with you for the life of the system so it's only natural that we also want you to know how it's performing. That's why Bradford Solar gives you free online monitoring with every system.

Bradford Solar has a range of solar systems to suit your home's energy needs, the latest technology in panels and now including AC panels with micro invertors for more flexibility and performance. Bradford will help you choose the right system based on the size of your home, your energy consumption, your home's orientation, how much roof space you have and your budget.

Whichever Bradford Solar PV system you choose for your home, you'll enjoy lower energy costs, a more energy efficient home and you'll be playing your part in reducing our global carbon footprint.

For more information visit bradfordsolar.com.au

“ Bradford has been making homes more energy efficient for 80 years so you can be confident that they'll be around for the life of the system. ”

Dan & Dani – BUILDER AND RENOVATION PERSONALITIES

► Visit bradfordsolar.com.au to view our solar video and see how you can upgrade your home.

*25 year limited performance warranty on solar panels only.

A woman with dark hair is shown in profile, looking up towards the sun. A large, semi-transparent yellow circle is overlaid on the image, containing the text "Be solar smart and save". In the top right corner, there is a small icon of a sun with a circular arrow around it, indicating a cycle or savings.

Be solar
smart and
save

A close-up shot of blue solar panels. A circular graphic overlay is positioned in the bottom right corner, containing the text "25 YEAR WARRANTY*" and "BACKED BY CSR BRADFORD".

25
YEAR WARRANTY*
BACKED BY
CSR BRADFORD



FRESH AIR SHOULD COME NATURALLY

Sometimes the most cost effective and simplest elements of home design are the ones that are overlooked. Ventilation is something you should definitely have on your 'must include list' if you want a fresher, cooler and more natural living environment.

The Edmonds range of home ventilation products work hand-in-hand with your home's insulation and draught control to create a more comfortable and energy efficient home. Good ventilation reduces the build up of heat in your home's roof cavity in summer allowing your insulation to work more effectively. The hot air that collects in your roof cavity in summer can escape and fresh air can enter, which helps to lower the temperature in your home. Ventilation can reduce the risk of condensation and mould and remove odours from your home. You can choose from natural wind or motor powered options.

ROOF SPACE VENTILATION

AIROMATIC

AiroMatic is a powered roof top ventilator with a dual purpose. It can be used to cool a roof space on hot days or set for constant ventilation to reduce condensation build up in the roof cavity.

SUPAVENT

SupaVent is a compact and streamlined wind powered ventilator that efficiently expels heat and moisture from your roof space even in light wind conditions. Made from a durable polymer, SupaVent is ideal for coastal environments and has a 15 year warranty.

For more information visit edmonds.com.au

LIVING SPACE VENTILATION

ODYSSEY

Odyssey is an innovative air exchange system that works automatically or manually to maintain a comfortable temperature throughout your home all year round. In summer, the system works to remove the hot stifling air that builds up during the day and complements air conditioning systems to reduce energy consumption. In addition, the system removes odours and reduces mould and potentially damaging condensation. In cooler months Odyssey brings in fresher, warmer outside air when homes are cold and damp. The roof mounted system is ducted through your roof space to a ceiling grille designed to maximise air flow. Internal and external air sensors are connected to an easy-to-use touch pad to set your preferred temperature and a boost feature to give your home a quick breath of fresh air.

For more information visit odyssey.com.au

A woman in a white dress is holding up a white sheet, with a green and blue wavy background. A white rectangular control panel is mounted on the wall. A large blue circle contains the text "Fresh air, in your home, every day, all year round". The word "Odyssey" is written in a large, elegant script font. In the bottom right corner, there is a circular logo for the National Asthma Council Australia, Sensitive Choice, Supporting Asthma Care. Below the main image, a line of text reads: "Odyssey is a proud partner with Sensitive Choice™ who endorse the system to improve the quality of life for those with asthma and allergies."

SupaVent – Roof space ventilation



AiroMatic – Roof space ventilation



Odyssey – Living space ventilation



For more information please email **bradfordenquiries@csr.com.au** or visit **csrbradford.com.au**

Bradford™ 
for smarter environments

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