



Bradford
gold insulation

BRADFORD GOLD INSULATION

You can't fight comfort



CSR

Enjoy all the benefits of Bradford Gold

- Stops up to 70% of heat transfers in your home
- Improves your comfort all year round
- Saves on energy costs
- Reduces greenhouse gas emissions
- Low allergen
- Fire resistant
- Meets the highest Australian insulation standards
- Guaranteed for the life of your home

The most comfortable decision you'll ever make

Comfortable. That's what you want your home to be. A place where you can kick off your shoes, sit back, relax and feel great. A place with a steady temperature, you control. A place where you can enjoy life to the full in an environment that's pleasant, healthy and energy efficient. That's what you get with Bradford Gold insulation.

When your home loses heat you lose comfort and money

Without insulation, even the best designed and constructed home will allow heat to pass through external surfaces. In winter valuable heat can be lost through the ceiling and walls while in summer heat can penetrate your home making it hot and uncomfortable. That's why we developed Bradford Gold.

**Bradford Gold can stop up to 70%
of all heat transfers in your home.**

Bradford Gold insulation keeps the heat out in summer and stops heat from escaping in winter. So you're always comfortable. Bradford Gold can also save you as much as 70% of the cost of heating and cooling your home.

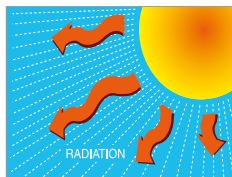
That's why insulating your home with Bradford Gold is one of the most comfortable decisions you'll ever make.

How Heat Transfer Affects Your Comfort

Heat transfer occurs in three ways:

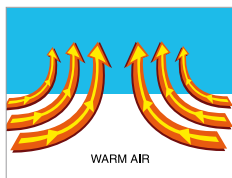
Radiation

Direct heat from the sun and reflective hot surfaces. In summer, radiation from the sun heats up your roof and wall surfaces and this heat is radiated into your home.



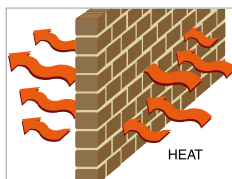
Convection

Warm air displacing cool air. In winter warm air rises and is replaced by cool air entering your home.



Conduction

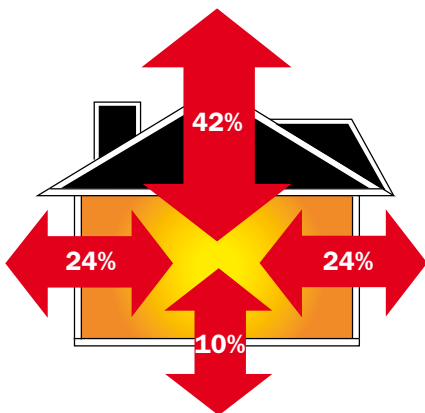
Heat transferred through materials in your home. Warm air is cooled when it comes in contact with uninsulated ceilings and external walls.



Even the best built homes suffer from heat transfer unless they are adequately insulated.

In winter, 42% of a home's heat is lost through the ceiling and 24% through the walls. In summer heat flows in at the same rates.

To compensate, heating and cooling appliances need to run at elevated power levels and for longer periods to be effective.



How heat transfers in and out of your home

How Bradford Gold Insulation Works

Bradford Gold insulation is composed of millions of fibres which are poor conductors of heat. These fibres criss-cross each other to form tiny air cells which slow down the transfer of heat through the insulation.



The thicker or denser the insulation is, the more it resists the flow of heat through it. This resistance is measured by the R-value of the insulation. The higher the R-value, the better the insulation and the higher the level of comfort in your home.

Whilst some insulation materials can pack down or settle over time, Bradford Gold insulation is guaranteed to maintain its R-value for the life of your home.

Energy Savings

Heating and cooling accounts for almost 40% of energy usage in the average home. By stopping up to 70% of all heat transfers, air conditioners and heaters can be used more efficiently with reduced running costs.

Helping the Environment

Energy used for home power consumption is one of the main contributors to greenhouse gas emissions and global warming.

Reducing your consumption of energy for heating and cooling is a responsible, positive action which is environmentally responsible.

Bradford Gold insulation is manufactured with more than 60% recycled glass content helping to save energy in manufacture and reduce landfill.

Low Allergen

Bradford is the only accepted insulation partner of the National Asthma Council Australia Sensitive Choice program. Bradford Gold insulation is suitable for use in the homes of asthma and allergy sufferers. It also doesn't provide a food source for insects or vermin.



Best Possible Fire Rating - 4 Zero

Bradford Gold batts achieve 0 for ignitability, 0 for spread of flame, 0 for smoke developed and 0 for heat evolved when tested to AS1530.3. These are the best possible ratings.

Bradford insulation will not burn and can actually hinder the spread of flame.

Performance you can trust

Bradford Gold insulation is manufactured under ISO 9002 Quality Systems and complies with AS4859.1 "Materials for the Thermal Insulation of Buildings". This is your assurance they will provide the level of performance stated on the pack.

The Bradford lifetime guarantee

CSR Bradford insulation guarantees that Bradford Gold will not pack down, shrink, support mould, rot or deteriorate and, when installed in accordance with our directions, will last the lifetime of your home.

When a Bradford approved installer installs your Bradford Gold batts, our guarantee also covers the installation workmanship.

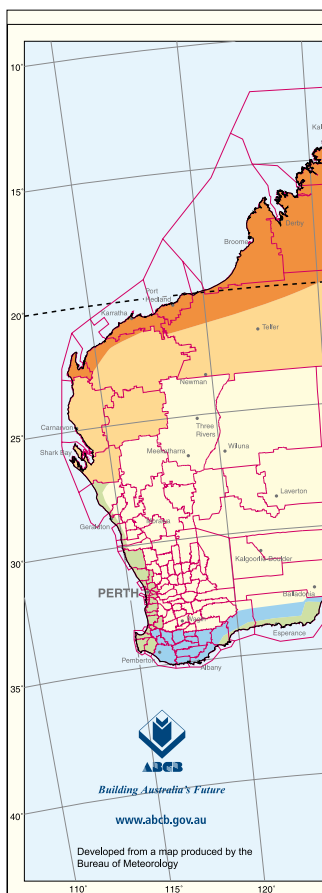


What R-Value is best for your home?

The Building Code of Australia has recently included energy efficiency provisions for new homes, which serve as a minimum standard. These new provisions are intended to bring new homes in Australia up to a 5 star standard when measured on a scale of 0 to 10 stars.

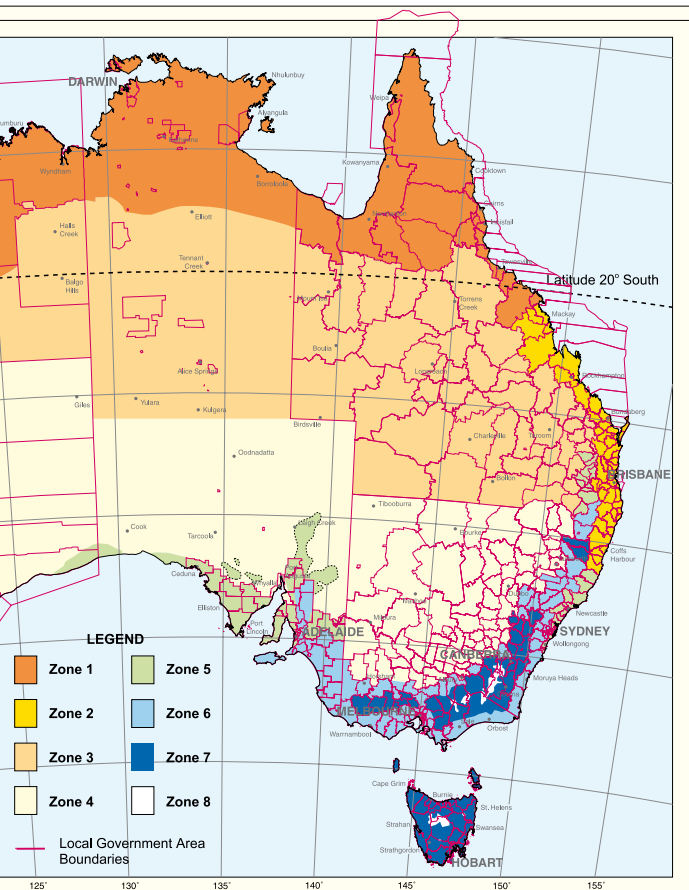
The following table lists the levels of Bradford Gold products that will meet the minimum 5 star standards.

While it is easy to include or upgrade insulation in the ceiling of existing homes it is very difficult to add insulation to existing exterior walls. If your home's exterior walls are currently uninsulated Bradford strongly recommends using higher levels of ceiling insulation.



Climate Zone	Zone 1	Zone 2 <300m	Zone 2 >300m
Direction of Heatflow	Downwards	Downwards	Upwards & downwards
Pitched roof with flat ceiling			
Without Foil	R2.0	R2.0	R3.0
With Enviroseal Roof Tile Plus	R1.5	R1.5	R2.5
Brick Veneer Walls			
Without Foil	R1.5	R1.5	R1.5
With Enviroseal Wall Wrap	R1.5	R1.5	R1.5
Unenclosed Timber Floors			
Without Foil	n/a	n/a	n/a
With Enviroseal Wall Breather	n/a	n/a	n/a

1. R4.5 is achieved with R2.0 and R2.5 batts laid on top of each other.
2. R5.0 is achieved with R2.0 and R3.0 batts laid on top of each other.
3. R3.0 is achieved with R3.0 SoundScreen in a 120mm stud.



Zone 3	Zone 4	Zone 5	Zone 6	Zone 7	Zone 8
Upwards	Upwards	Upwards	Upwards	Upwards	Upwards
R2.5	R3.5	R3.0	R3.5	R4.5 ¹	R5.0 ²
R2.0	R3.0	R2.5	R3.0	R4.0	R4.5 ¹
R1.5	R2.0	R1.5	R2.0	R2.0	R3.0 ³
R1.5	R1.5	R1.5	R1.5	R1.5	R2.0
n/a	R1.5	n/a	R1.5	R2.0	R2.5
n/a	R1.5	n/a	R1.5	R1.5	R2.0

Turbo charge your insulation

A well ventilated roof space is an important and inexpensive way to maximise your comfort. Adding Edmonds roof ventilation removes the hot air in your roof space in summer and helps your insulation work far more effectively.



It also helps expel damp air in winter which can affect building structures and the effectiveness of insulation. The result is even greater levels of comfort and energy savings.

Bradford Gold - a range to suit every home

There's a full range of Bradford Gold batts to suit ceilings, floors and walls of any home in Australia.

Bradford Gold insulation technical specifications:

Product	R-Value (m ² K/W)	Dimensions	Thickness	Product Code
Bradford Gold for ceilings	R2.0	1160mm x 430mm	115mm	15238
	R2.0	1160mm x 580mm	115mm	15240
	R2.5	1160mm x 430mm	140mm	15258
	R2.5	1160mm x 580mm	140mm	15254
	R3.0	1160mm x 430mm	165mm	15226
	R3.0	1160mm x 580mm	165mm	15256
	R3.5	1160mm x 430mm	185mm	15241
	R3.5	1160mm x 580mm	185mm	41895
	R4.0	1160mm X 430mm	215mm	15224
	R4.0	1160mm x 580mm	215mm	16200
Bradford Gold for walls and floors	R1.5	1160mm x 430mm	75mm	15252
	R1.5	1160mm x 580mm	75mm	15232
	R2.0	1160mm x 430mm	90mm	15250
	R2.0	1160mm x 580mm	90mm	15229

Safe Formulation

Bradford Gold insulation is manufactured using the latest FBS-1 bio-soluble formulation which has been assessed as non-hazardous under the National Occupational Health & Safety Commission's guidelines.

For more information call **1300 850 305** or visit www.bradfordinsulation.com.au


Bradford
for smarter environments

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