

The healthy choice

A recent study carried out for BRANZ demonstrated that residents in insulated homes reported much fewer health issues than those in uninsulated homes. Insulation works to reduce the exposure to extremes of temperatures and humidity which can have adverse affects on health. Bradford Gold has been laboratory tested and classed as emitting low dust and volatile compounds in use making it suitable for use in homes of allergy sufferers.

Great for the environment

Bradford Gold is great for the environment.

Not only is it manufactured using up to 80% recycled glass but saving energy also reduces greenhouse gas emissions which is great news for the planet.

You can use Bradford with confidence

With Bradford you can be sure you're making the right choice. All Bradford products are manufactured to stringent standards and meet the requirements of AS/NZS 4859.1 and carry BRANZ certification so they can be used in any home to meet the New Zealand building regulations.

And they come with a lifetime guarantee backed by CSR – one of Australasia's oldest and largest building materials companies.



The Bradford Gold Range

Product R-Value	Size mm	Thickness mm	Pieces Per bale	Area /bale m ²	Coverage* /bale m ²	NRC
WALLS						
R1.8	1160 x 580	90	22	14.8	16.6	0.85
R2.2	1160 x 580	90	16	10.8	12.1	1.05
R2.6	1160 x 580	90	8	5.4	6.05	–
R2.8	1160 x 580	90	5	3.4	3.8	–
CEILING						
R1.8	1160 x 430	95	24	12	13.5	–
R2.2	1160 x 430	115	24	12	13.4	–
R2.7	1160 x 430	145	20	10	11.2	1.00
R3.2	1160 x 430	165	16	8	9	1.05
R3.6	1160 x 430	185	14	7	7.8	–
R4.0	1160 x 430	215	12	6	6.7	–
R5.0	1160 x 430	210	8	4	4.5	–
R6.0	1160 x 430	260	6	3	3.4	–

* Note: Actual coverage may vary depending on building structure. Dimensions are nominal and based on standard structures.

For more information and your nearest stockist call our Help Line on **0800 277 123** or visit **www.bradfordinsulation.co.nz**

Bradford™
for smarter environments

Bradford Insulation Group

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CSR Bradford Insulation is a business division of CSR Building Products New Zealand Limited
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Bradford™
gold insulation

BRADFORD GOLD INSULATION

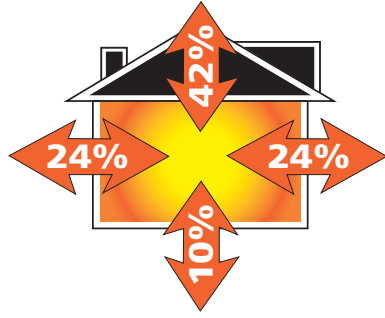
Thermal & Acoustic Insulation for Homes



CSR

Make the most of your energy use

When your home loses heat you waste energy and money. In an uninsulated home up to 42% of your heat can be lost through the ceiling alone. So including Bradford Gold insulation can make a big difference to your home's comfort and your energy bills.



Bradford Gold - a proven performer

Bradford Gold is a highly effective insulator. Made from the world's most popular insulation material – glasswool. It is manufactured by spinning molten glass into a matrix of extremely fine fibres, which trap millions of tiny pockets of air. Increasing the thickness or density of the insulation increases the resistance to the flow of heat, measured by the product R-Value. So you can choose the comfort and energy efficiency you want for your home from the Bradford Gold product range

Enjoy the Benefits

- Keeps you warmer in winter & cooler in summer
- Highest R-Value available in New Zealand
- A more comfortable home all year round
- A fully insulated home can save up to 70% of heating and cooling costs
- Meets the highest New Zealand insulation standards
- Fire resistant
- Bradford Lifetime Guarantee

Installation is a breeze

Bradford Gold insulation products have been developed to make installation easy. The fine fibres make them soft and easy to handle and they come in a range to suit the standard frame sizes used in New Zealand.

Bradford Gold wall insulation is specially stiffened and treated with a water repellent to ensure the maximum protection for your home.



A quieter home

Installing Bradford Gold in your external walls and ceiling not only keeps your home more comfortable, it also reduces the amount of noise entering your home to give you a quieter, more relaxing environment.

Including Bradford Gold in internal walls and floors can greatly reduce sound transfer between areas of your home to create quiet zones blocking out unwanted noise from areas like ensuites and home theatres.

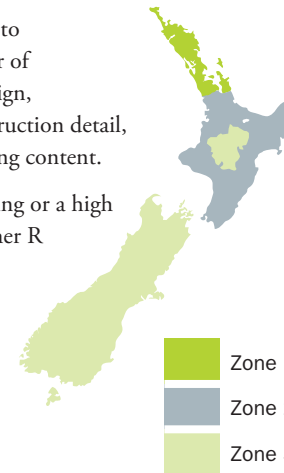
New Zealand Building Code Clause H1-Energy Efficiency

Clause H1 of the New Zealand Building Code covers energy efficiency and minimum insulation levels for homes.

The minimum level of insulation needed to achieve compliance depends on a number of factors including climate zone, house design, amount and orientation of glazing, construction detail, numbers of downlights and timber framing content.

For example, closer stud and dwang spacing or a high number of downlights may require a higher R value insulation to be installed.

We have looked at the most common wall and roof constructions currently being used in New Zealand. Our recommendations are based on compliance using the Schedule method, as outlined in NZS 4218:2004.



Wall Construction	Zone 1	Zone 2	Zone 3
	Non solid construction		
90mm masonry veneer 600mm studs	R2.2	R2.2	R2.6
Bevel backed weatherboard with cavity 90mm frame	R2.2	R2.2	R2.2
Rusticated weatherboard with cavity 90mm frame	R2.2	R2.2	R2.6
Fibre cement weatherboard direct fixed 90mm frame	R2.2	R2.2	R2.6
Stucco on rigid backing with cavity, 90mm frame	R2.2	R2.2	R2.6
Concrete block, strapped & lined	R2.2	R2.2	R2.2
Roof Construction	Zone 1 & 2	Zone 3	Zone 1, 2 & 3
	Non solid construction		Solid Construction
Pitched profile steel with 900mm chord spacing	R3.2	R3.6	R4.0
Pitched concrete or clay tiles with 900mm chord spacing	R3.2	R3.6	R4.0
Skillion profiled steel with 140mm/190mm rafters & battens	R2.8	R3.2	R3.6
Skillion concrete or clay tile with 140mm/190mm rafters & battens	R2.8	R3.2	R3.6
Low slope profiled steel with 140mm/190mm rafters & battens	R2.8	R3.2	R3.6
Low slope membrane with 140mm/190mm rafters & battens	R2.8	R3.2	R3.6

For further details, please refer to the New Zealand Building Code Compliance Document H1.