

## BRADFORD™ GOLD WALL INSULATION

### Introduction

Bradford™ Gold wall insulation is a resilient and compressible insulation manufactured from the controlled felting of glasswool bonded with a thermosetting resin.

### Product Description

Bradford Gold wall insulation has been designed to reduce energy costs by keeping heat out in summer and heat in during winter.

Specially treated with a water repellent to increase the ability to repel water, a second line of defence in external walls is achieved and gives added protection to internal walls from water damage.

### Applications

Bradford Gold wall insulation has been designed to reduce unwanted noise:

- Entering through external walls
- Between rooms within the house when installed into internal walls



### Features and Benefits

- Specifically stiffened for use in wall applications
- Pieces are supplied in 580mm widths for 600mm stud centres and can readily be cut to fit other stud spacings
- Softer feel for easy handling
- High recycled content
- 100% Bio-soluble, posing no risk to health
- Low irritant and low allergen
- Lifetime Warranty
- Will not settle over time
- Bradford Gold achieves the best possible fire ratings. Bradford Gold will not ignite or burn and can hinder the spread of flame

### Standard Sizes & Packaging

R-Value	BRANZ Appraised	Nominal Thickness (mm)	Standard Size (mm)	Pieces/bale	Area/bale M <sup>2</sup>	NRC value
R1.8	✓	90	1160 x 580	22	14.8	0.85
R2.2	✓	90	1160 x 580	16	10.8	1.05
R2.4	✓	90	1160 x 580	10	6.7	-
R2.6	✓ ✓	90	1160 x 580	8	5.4	1.10
R2.8	✓ ✓	90	1160 x 580	5	3.4	-
R3.5	✓	140	1160 x 580	10	6.7	-
R4.0	New Product	140	1160 x 580	5	3.4	-

### Acoustic Performance

Product	Frequency (Hz)							
	125	250	500	1000	2000	4000	5000	NRC
R1.8	0.51	0.75	0.90	0.91	1.04	1.01	0.85	0.85
R2.2	0.56	1.00	1.04	1.02	1.05	1.10	1.05	1.05
R2.6	0.35	1.00	1.00	1.00	1.00	1.00	1.00	1.10
R2.8	0.55	1.00	1.00	1.00	1.00	1.00	1.00	1.10

- ✓ Bradford have Environmental Choice ticks against all products that fall within category EC-25-04. All products that can be tested have the green tick. The minimum criteria is R2.5 for walls, R3.4 for ceilings and R1.4 for underfloor products.



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## Formulation

Bradford's advanced manufacturing processes provides products that are safe for allergy sufferers, allowing you and your family to breathe easy with added piece of mind.

Bradford products are manufactured using the latest FBS-1 bio-soluble formulation which has been assessed as non-hazardous under the National Occupational Health and Safety Commission's guidelines and can be installed with absolute confidence.



Bradford glasswool products do not contain harmful VOC's – Volatile Organic Compounds nor do they contain any harmful amounts of formaldehyde or other organic chemicals.

## Technical Leadership

Bradford Gold is manufactured using the latest Arlanda fibre technology, making Bradford Gold products nicer to handle, cut and install, while providing superior performance.

## Designing for Sustainability

Bradford Gold is manufactured from up to 65% recycled glass. Much of the recycled content used is not suitable for recycling in other applications.

## Zero Ozone Depleting Potential

Bradford Insulation has undertaken an audit of its Glasswool, Rockwool and reflective foil laminate insulation manufacturing processes referencing the US EPA List of Ozone Depleting Substances (Class 1 and Class 2).

This audit found that no ozone depleting substances are involved in either the manufacture or composition of these products.

## Physical Properties

Property	Performance	Test Criteria
<b>Maximum Service Temperature</b>	350° C	Bradford recommends where high temperature use is required seek advice from your Bradford office
<b>Flow Resistivity</b>	0.5 x 10 <sup>4</sup> mks Rayls/m	
<b>Fire Resistance</b>	Ignitability 0 Heat Evolved 0 Spread of Flame 0 Smoke developed 0	When tested in accordance with AS/NZS1530.3:1999
<b>Corrosion Resistance</b>	pH 7.5 - 8.0	When tested in accordance with BS 3958 Part 5 - 1986
<b>Moisture Absorbance</b>	<.02% by volume	Exposure to an atmosphere of 50° C and 95% relative humidity for four days. Note: If the insulation becomes wet, full thermal efficiency will be restored on drying out.