

# BRADFORD™ GOLD CEILING INSULATION

### Introduction

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

# **Product Description**

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

# **Applications**

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

- Entering the building to give a quieter more relaxing environment
- Between floors when installed into mid-floor and underfloor applications
- To be used for ceiling and underfloor applications, not designed for wall applications

## **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.



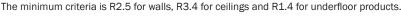
### **Features & Benefits**

- Pieces are supplied in 430mm widths for joists spaced at 450mm centres and can be cut in half for joists at 600mm centres
- · 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)	Density (kg/m³)	Pieces per pack	Area per pack (m²)	NRC Values
	Appraised	, ,	, ,	, ,		. ,	
R1.8	✓	95	1160 x 430	7.1	24	12	-
R2.2	✓	115	1160 x 430	7.8	24	12	-
R2.7	✓	145	1160 x 430	7.3	20	10	1.00
R3.2	✓	165	1160 x 430	7.8	16	8	1.05
R3.6	✓ ✓	185	1160 x 430	8	14	7	-
R4.0	✓ ✓	215	1160 x 430	7.3	12	6	-
R5.0	✓ ✓	210	1160 x 430	13.2	8	4	-
R6.0	✓ ✓	260	1160 x 430	12.6	6	3	-

<sup>✓</sup> 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.









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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 nonhazardous 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.

## **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		
Maximum Service Temperature	350°C	Bradford recommends where high temperature use is required seek advice from your Bradford office.		
Flow Resistivity	0.5 x 10⁴ mks Rayls/m			
Fire Resistance	Ignitability 0 Heat Evolved 0 Spread of Flame 0 Smoke Developed 0	When tested in accordance with AS/NZS1530.3:1999		
Corrosion Resistance	pH 7.5 - 8.0	When tested in accordance with BS 3958 Part 5 - 1986		
Moisture Absorbance	<0.2% 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.		



CSR Bradford Insulation

111b Kerwyn Ave, PO Box 204115, Highbrook, Manukau 2161, Auckland Telephone (+64) 9 968 2160 Facsimile (+64) 9 968 2199 Freephone 0800 277 123

www.bradfordinsulation.co.nz

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