

## 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/m <sup>3</sup> ) | Pieces per pack | Area per pack (m <sup>2</sup> ) | NRC Values |
|---------|-----------------|------------------------|--------------------|------------------------------|-----------------|---------------------------------|------------|
| 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                               | -          |

- ✓ 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 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 10 <sup>4</sup> mks Rayls/m  |  |
| Fire Resistance             | Ignitability 0    Heat Evolved 0<br>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. |

**Bradford™**  
for smarter environments

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BRADFORD™ GOLD CEILING INSULATION - DATA SHEET

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