

## Bradford Gold Ceiling Insulation

### PRODUCT DESCRIPTION

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

The segments provide both thermal and acoustic insulation while also being soft and easy to install in the home. Bradford Gold Ceiling segments will not burn. Bradford Gold Ceiling segments are supplied in conventional widths to suit standard housing construction: 430mm width for joists spaced at 450mm centres. Bradford Gold is installed by laying them on top of the ceiling in between the ceiling joists. They are also suitable for installation under floors for added energy savings. For safe handling instructions please refer to SUIS sheet.

### BREATHE EASY

Bradford Gold Insulation is the only accepted insulation partner of the Asthma and Respiratory Foundation NZ Sensitive Choice program. Bradford Gold insulation is suitable for use in homes of asthma and allergy sufferers.

Bradford Insulation guarantees that all our products are low allergen, will not pack down, shrink, mould, rot or deteriorate and are backed by a 70 year product warranty.

\* This product complies with AS/NZS 4859.1 – “Materials for the thermal insulation of buildings”.

Bradford Gold ceiling segments have been assessed in accordance with National Occupational Health and Safety Commission (NOHSC) criteria and as a result this product is not classified as hazardous. Bradford Gold ceiling segments are made from FBS-1 bio-soluble glasswool and is listed on the International Agency for Research on Cancer (IARC) as Category 3 – Not classifiable as to its carcinogenicity to humans.



# Gold Ceiling Insulation

## STANDARD SIZE AND PACKAGING

R VALUE (m <sup>2</sup> K/W)	BRANZ Appraised	THICKNESS (mm)	STANDARD SIZE (mm)	PIECES PER PACK	m <sup>2</sup> PER PACK	COVERAGE PER PACK m <sup>2</sup>
<b>Gold Ceiling Segments</b>						
R1.8	✓	95	1160 x 430	24	12	13.6
R3.2	✓	165	1160 x 430	16	8	9
R3.6	✓	185	1160 x 430	14	7	7.9
R4.0	✓	215	1160 x 430	12	6	6.7
<b>Gold High Performance Segments</b>						
R5.0	✓	210	1160 x 430	8	4	4.5
R6.0	✓	260	1160 x 430	6	3	3.4
R7.0		290	1160 x 430	4	2	2.3

## PHYSICAL PROPERTIES

Maximum Service Temperature		350°C
Fire Hazard Properties	When tested in accordance to AS/ NZS 1530 Part 3-1999	<ul style="list-style-type: none"> <li>• Ignitability: 0</li> <li>• Spread of flame: 0</li> <li>• Heat Evolved: 0</li> <li>• Smoke Developed: 0 -1</li> </ul>
Non - Combustibility	When tested to AS 1530 Part 1	Non - Combustible
Corrosion Resistance	When tested in accordance with BS 3958 Part 5-1969	pH 7.5-8.0
Moisture Resistance	When left in a controlled atmosphere of 50°C and 95% relative humidity for four days	Less than 0.2% by volume
Flow Resistivity		0.5 x 10 <sup>4</sup> mks Rayls/m



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## Bradford Gold Wall Insulation

### INTRODUCTION

Bradford Glasswool Wall segments are a resilient and compressible insulation manufactured from the controlled felting of glasswool bonded with a thermosetting resin.

The product is non hazardous and bio soluble. Glasswool Wall segments have a special treatment added to increase their ability to repel water which gives added protection to internal and external walls from possible water damage from water wicking. Glasswool Wall segments will not burn and will provide excellent thermal and acoustic insulation in the home.

### PRODUCT DESCRIPTION

Glasswool Wall segments are manufactured to a controlled thickness so they can be used in suitably sized stud framing cavities. Glasswool Wall segments should be retained in position with string or wall wrap during construction.

For external walls using wall wrap is the recommended method so that ventilation of the wall cavity is preserved.

Glasswool Wall segments will increase comfort and reduce energy bills in the home by keeping heat out during summer and heat in during winter.

Glasswool Wall segments will also reduce noise entering the home when installed in the external walls, or reduce noise transfer between rooms when installed in the internal walls. Glasswool Wall segments are supplied in standard housing construction width: 580mm width for 600mm stud centres.

For safe handling instructions please refer to the Glasswool Safe Use Information Sheet (SUIS).

### SKU TABLE

R VALUE (m <sup>2</sup> K/W)	BRANZ Appraised	NOMINAL THICKNESS (mm)	STANDARD SIZE (mm)
<b>BRADFORD GOLD WALL SEGMENTS</b>			
R1.8	✓	90	1160 x 580
R2.2	✓	90	1160 x 580
R2.4	✓	90	1160 x 580
R2.6	✓	90	1160 x 580
R2.8	✓	90	1160 x 580
R3.5	✓	140	1160 x 580
<b>BRADFORD GOLD HI PERFORMANCE WALL SEGMENTS</b>			
R4.0		140	1160 x 580

# Bradford Gold Wall Insulation

## PHYSICAL PROPERTIES

<b>MAXIMUM SERVICE TEMPERATURE</b>		350°C
<b>FIRE HAZARD PROPERTIES</b>	When tested in accordance to AS/NZS 1530 Part 3-1999	<ul style="list-style-type: none"> <li>• Ignitability: 0</li> <li>• Spread of flame: 0</li> <li>• Heat Evolved: 0</li> <li>• Smoke Developed: 0 - 1</li> </ul>
<b>CORROSION RESISTANCE</b>	When tested in accordance with BS 3958 Part 5-1969	pH 7.5-8.0
<b>MOISTURE RESISTANCE</b>	When left in a controlled atmosphere of 50°C and 95% relative humidity for four days	Less than 0.2% by volume
<b>COMBUSTIBILITY</b>	When tested in accordance with AS 1530 Part 1: 1994	Non-combustible
<b>ELECTRICAL CONDUCTIVITY</b>	Non-conductive when tested in accordance with AS/NZ 3100	Electrical resistance > 10MΩ at 500V

## BREATHE EASY

Bradford Glasswool is not classified as carcinogenic. The International Agency for Research into Cancer (IARC) has determined that glasswool insulation products are non-carcinogenic, with no potential for causing cancer in humans. Bradford Gold Insulation is the only accepted insulation partner of the National Asthma Council Australia Sensitive Choice program. Bradford Gold Insulation is suitable for use in homes of asthma and allergy sufferers.

Bradford Insulation guarantees that all our products are low allergen, will not pack down, shrink, mould, rot or deteriorate and, when installed in accordance with our directions, are warranted for 70 years.

This product complies with AS/NZS4859.1 – “Materials for the thermal insulation of buildings”.

