

Bradford Gold® & Gold Hi-Performance

Refer to product table below for applicable product codes covered by this document

Issue **B**

Product Type & Application

Bradford Gold® and Gold Hi-Performance (HP) are non-combustible Glasswool thermal insulation products. They are for use in external walls and ceilings to reduce heat transfer through the building envelope.

Compliance with the NCC

For use in Australia, when correctly specified and installed, this product

- **Thermal** - Complies with NCC 2019 Volume 1 Section J1.2, NCC 2019 Volume 2 Section 3.12.1.1(a), and all state-prescribed variations. This product meets the requirements of the NCC through compliance with AS/NZS 4859.1.
- **Fire Hazard Properties** - Meets the requirements of the NCC 2019 Volume 1, Specification C1.10 Clause 7 for insulation materials. When tested to AS/NZS 1530.3 this product does not exceed the 'Spread of Flame' or 'Smoke Developed' indices of Specification C1.10 Clause 7.
- **Non-Combustibility** - Meets the requirements of NCC Vol.1 C1.9(a), as it is non-combustible when tested to AS 1530.1.

Evidence of Suitability

- Testing to AS/NZS 4859.1 across the following reports-
 - CSR Lab Report R-20004A
 - CSR Lab Report R-20005
 - CSR Lab Report R-20006
 - CSR Lab Report R-20007
 - CSR Lab Report R-20014
 - CSR Lab Report R-20015
 - CSR Lab Report R-20016
 - CSR Lab Report R-20017
 - CSR Lab Report R-20018
 - CSR Lab Report R-20019
 - CSR Lab Report R-20020
 - BRANZ Report DI11505-001
 - BRANZ Report DI11505-002
 - BRANZ Report DI12309-001
- Testing and Professional Assessment to AS 1530.1 across the following reports –
 - CSIRO Assessment FCO-2812.
 - CSIRO Report FNC-9494
 - CSR NATA Lab Report NR-17008
 - CSR NATA Lab Report NR-18006
 - CSR NATA Lab Report NR-18007
 - CSR NATA Lab Report NR-20003
- Testing and Professional Assessment, AS/NZS 1530.3 –
 - CSIRO Assessment FCO-2805.
 - CSIRO Report FNE9892.

Specific Design or Installation Instructions

- Isolate power before installation.
- **Caution:** Electrical cables and equipment partially or completely surrounded with bulk thermal insulation may overheat and fail. In new build construction with electrical wiring in accordance with AS/NZS 3000, 2018 version or later, wiring may be partially or completely surrounded for up to 400mm. If more than 400mm is surrounded, or for wiring pre AS/NZS 3000, 2018 version, seek advice from a licenced electrician. Refer to legislation and referenced standards for full details.
- Insulation should form a continuous layer, except where it butts against structural members, or for mandatory gaps around services and fittings. Compensate for gaps as specified by the NCC Volume 2, 3.12.1.2(e) and Table 3.12.1.1h. It should be installed at nominal thickness, except where it crosses structures, services and fittings.
- Ceiling perimeter batts may be required to achieve compliance depending upon roof and exterior wall design.
- Do not allow insulation to get wet after installation.

For general installation guidance refer to the product installation guide at Bradfordinsulation.com.au

Supplementary information - Additional installation guidance for this product can be found in AS3999.

Limitations of Use

- Maximum service temperature: 300° C.
- Check the plasterboard, ceiling tile or ceiling grid manufacturer's weight limitations prior to increasing the recommended R-Values or densities to ensure the structure can support the additional weight of the batts.
- This product is not suitable for use as an exposed wall or ceiling lining in applications which require a Group Number in accordance with AS ISO 9705 and AS 5637.1 (NCC 2019 Volume 1, Specification C1.10 Clause 4).
- Not to be used for external concrete slab insulation.

Conditions of Storage, Use & Maintenance

Store in the original packaging in a cool, dry area, away from foodstuffs. Ensure packages are adequately labelled, protected from physical damage, and sealed when not in use. Avoid packaging being stored under UV light (direct sunlight) for long periods.

Refer to the product SUIS/MSDS at Bradfordinsulation.com.au for more information.

Bradford Gold® & Gold® Hi-Performance

Applicable Product Codes – Wall Products

R-VALUE (m ² K/W)	THICKNESS (mm)	STANDARD SIZE (mm)	PIECES PER PACK	m ² PER PACK	COVERAGE PER PACK (m ²)	PACKS PER MULTI	PRODUCT CODE
R1.5	75	1160 x 430	22	11.0	12.5	7	111727
R1.5	75	1160 x 580	22	14.8	16.7	7	111726
R1.5 *	75	1200 x 450	22	11.8	11.8	7	127776
R1.5 *	75	1200 x 600	22	15.8	15.8	7	127781
R2.0 (HP)	75	1160 x 420	12	5.8	7.0	6	152166
R2.0 (HP)	75	1160 x 570	12	7.9	9.1	6	152192
R2.0 (HP) *	75	1200 x 450	12	6.5	6.5	6	131367
R2.0 (HP) *	75	1200 x 600	12	8.6	8.6	6	131368
R2.0	90	1160 x 430	22	11.0	12.5	5	15250
R2.0	90	1160 x 580	18	12.1	13.6	6	15229
R2.0 *	90	1200 x 450	18	9.7	9.7	6	127777
R2.0 *	90	1200 x 600	18	12.9	12.9	6	127782
R2.2 (HP)	75	1160 x 420	6	2.9	3.5	6	152168
R2.2 (HP)	75	1160 x 570	6	4.0	4.5	6	152194
R2.2	90	1160 x 430	16	8.0	9.0	5	170351
R2.2	90	1160 x 580	16	10.8	12.2	5	170227
R2.5 (HP)	90	1160 x 420	9	4.4	5.0	6	181430
R2.5 (HP)	90	1160 x 570	9	6.0	6.7	6	181471
R2.5 (HP) *	90	1200 x 450	9	4.9	4.9	6	181412
R2.5 (HP) *	90	1200 x 600	9	6.5	6.5	6	181433
R2.7 (HP)	90	1160 x 420	5	2.4	2.8	5	152191
R2.7 (HP)	90	1160 x 570	5	3.3	3.8	5	152197
R2.7 (HP) *	90	1200 x 450	5	2.7	2.7	5	127780
R2.7 (HP) *	90	1200 x 600	5	3.6	3.6	5	126512
R4.0 (HP)	140	1160 x 420	5	2.4	2.8	6	181432
R4.0 (HP)	140	1160 x 570	5	3.3	3.8	6	181416

* Suitable for steel frame construction.

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Applicable Product Codes – Ceiling Products

R-VALUE (m ² K/W)	THICKNESS (mm)	STANDARD SIZE (mm)	PIECES PER PACK	m ² PER PACK	COVERAGE PER PACK (m ²)	PACKS PER MULTI	PRODUCT CODE
R2.5	140	1160 x 430	16	8.0	9.0	7	111720
R2.5	140	1160 x 580	16	10.8	12.2	7	111719
R3.0	165	1160 x 430	16	8.0	9.0	6	15226
R3.0	165	1160 x 580	16	10.8	12.2	6	15256
R3.5	185	1160 x 430	16	8.0	9.0	5	15241
R3.5	185	1160 x 580	10	6.7	7.6	8	41895
R4.1	215	1160 x 430	10	5.0	5.6	7	111716
R4.1	215	1160 x 580	10	6.7	7.6	7	111715
R5.0 (HP)	240	1160 x 430	8	4.0	4.5	5	105417
R5.0 (HP)	240	1160 x 580	8	5.4	6.1	5	105419
R6.0 (HP)	260	1160 x 430	6	3.0	3.4	5	77871
R6.0 (HP)	260	1160 x 580	6	4.0	4.5	5	77849
R7.0 (HP)	290	1160 x 430	4	2.0	2.3	5	122546
R7.0 (HP)	290	1160 x 580	4	2.7	3.0	5	122545

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Additional Product Data

Maximum Service Temperature		300°C (suitable where a long term surface operating temperature $\geq 90^{\circ}\text{C}$ is required for insulation around heat generating equipment.)
Fire Hazard Properties	When tested in accordance with AS/NZS 1530 Part 3-1999	<ul style="list-style-type: none"> • Ignitability: 0 • Spread of flame: 0 • Heat Evolved: 0 • Smoke Developed: 1
Non-Combustibility	When tested to AS 1530 Part 1	Non - Combustible
Sample Specification – Wall Products	The insulation material shall be Bradford Gold® or Bradford Gold® Hi-Performance having a material R-Value; Rm...(specify R-Value) @ XXmm... (specify thickness).	
Sample Specification – Ceiling Products	The insulation material shall be Bradford Gold® or Bradford Gold® Hi-Performance Ceiling Batts R ___ m2 K/W (specify type) as manufactured by Bradford Insulation.	

Other Accreditation



FBS-1 Glasswool - The fibre component of these products is listed by Safe Work Australia as Man-made Vitreous Fibre (Glasswool) of low bio persistence as specified under Note Q in the Australian Hazardous Substances Information System and in the Australian Approved Criteria documentation. In accordance with EU ATP 31 (2009) these fibres are not classified as an irritant, or as carcinogenic. **Refer to the product SUIS/MSDS at Bradfordinsulation.com.au for more information.**



National Asthma Council Sensitive Choice