

# Glasswool Building Blanket - Plain

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

Issue **I**

## Product Type & Application

Glasswool Building Blanket is a non-combustible, un-faced insulation product for roofing applications.

## Compliance with the NCC

For use in Australia, when correctly specified and installed, this product provides the following compliance:

### NCC 2022

- **Thermal** - Complies with NCC 2022 Volume 1 J4D3(1) and ABCB Housing Provisions Standard 2022 13.2.2(1). This product meets the requirements of the NCC through compliance with AS/NZS 4859.1.
- **Thermal Break** - Meets the requirements of NCC 2022 Volume 1 J3D5(1) and ABCB Housing Provisions Standard 2022 13.2.3(7). When crushed between metal roof sheet and framing members this product provides an R-value of R0.2.
- **Fire Hazard Properties** - Meets the requirements of the NCC 2022 Volume 1, S7C7 for insulation materials. When assessed to AS/NZS 1530.3 this product does not exceed the 'Spread of Flame' or 'Smoke Developed' indices of Table S7C7.
- **Non-Combustibility** - Meets the non-combustible requirements of NCC 2022 Volume 1 C2D10(1) when assessed in accordance with AS 1530.1.

### NCC 2019

- **Thermal** - Complies with NCC 2019 Volume 1 Amend. 1 Section J1.2(a), NCC 2019 Volume 2 Amend. 1 Section 3.12.1.1(a), and all state-prescribed variations. The product meets the requirements of the NCC through compliance with AS/NZS 4859.1.
- **Thermal Break** - Meets the requirements of NCC 2019 Volume 1 Amend. 1 J0.4 and NCC 2019 Volume 2 Amend. 1 13.12.1.2(c). When crushed between metal roof sheet and framing members this product provides an R-value of R0.2.
- **Fire Hazard Properties** - Meets the requirements of the NCC 2019 Volume 1 Amend. 1, Specification C1.10 Clause 7 for insulation materials. When assessed to AS/NZS 1530.3 this product does not exceed the 'Spread of Flame' or 'Smoke Developed' indices of Specification C1.10 Clause 7.

## Compliance with the NCC cont.

### NCC 2019 cont.

- **Non-Combustibility** - Meets the non-combustible requirements of NCC 2019 Volume 1 Amend. 1 C1.9(a) when assessed in accordance with AS 1530.1.

## 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 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, seek advice from a licenced electrician. Refer to legislation and referenced standards for full details or seek advice from an electrician if in doubt.
- Suitable for applications that specify non-combustible bulk insulation products - not suitable for exposed internal wall and ceiling lining applications that require a Group Number.
- Insulation should be installed so that it forms a continuous layer and abuts or overlaps adjoining insulation other than at supporting members such as columns, studs, noggings, joists, furring channels and the like where the insulation must butt against the member.
- Thermal Break: Where this product is locally crushed between framing members and roof cladding it will provide a R0.2 thermal break as required by the NCC.
- Bulk insulation must be installed so that it maintains its position and thickness, other than where it crosses water pipes, electrical cabling or the like, or roof battens in Class 1 and 10 buildings, cladding and supporting members in Class 2-9 buildings, or where accounted for elsewhere.
- Stated thermal performance is based on bulk insulation only. The effects of thermal bridging and any added reflective R-value contributions are construction dependent and must be determined in the accordance with AS/NZS 4859.2.
- Ceiling perimeter batts may be required to achieve compliance depending upon roof and exterior wall design.
- Suitable for applications where the product is protected from direct UV light, water and wind pressure during and after installation.

**For general installation guidance refer to the product installation guide at [Bradfordinsulation.com.au](http://Bradfordinsulation.com.au)**

**Supplementary information** - Additional installation guidance for this product can be found in AS 3999.

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### Limitations of Use

- **IMPORTANT:** Do Not Modify This Product: Compliance with the evidence of suitability data referenced in this document is only achieved by the product or configuration listed in this PTS.
- This product is not suitable for use as an exposed internal 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 Amend. 1, Specification C1.10 Clause 4, NCC 2022 Volume 1 S7C4).
- Unfaced Glasswool is not a water or vapour barrier and is not suitable for water or vapour control.
- Consult AS 3959 to determine the installation conditions when using unfaced rolls in roofs of buildings in bushfire-zoned areas.
- 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 insulation batts.
- This product is not designed to withstand exposure to the elements and must be installed dry and remain dry until the roof is completed - accordingly, it is recommended that the exterior cladding and all closure flashings should be installed within the same workday to comply with the product warranty.
- It is recommended to commence installation of this product only if it can be completed prior to rain.
- If this product is left exposed, it must be protected from getting wet.
- Maximum service temperature is 150°C.

### Evidence of Suitability

- Testing to AS/NZS 4859.1 at 23°C across the following reports-
  - CSR Lab Report R-20024.
  - CSR Lab Report R-20025.
  - CSR Lab Report R-20026.
  - CSR Lab Report R-20027.
  - CSR Lab Report R-20028.
  - CSR Lab Report R-20029.
  - CSR Lab Report R-20030.
  - CSR Lab Report R-20031.
  - CSR Lab Report R-20032.
  - CSR Lab Report R-20068.
  - CSR Lab Report R-22008.
  - CSR NATA Lab Report NR-23104.
- Professional Assessment, AS 1530.1 - Warringtonfire Assessment FAS220051.
- Professional Assessment, AS/NZS 1530.3 - Warringtonfire Assessment FAS200045.

### 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](http://Bradfordinsulation.com.au) for more information.**

### Applicable Product Codes

R-VALUE [m <sup>2</sup> K/W]	THICKNESS [mm]	NOMINAL LENGTH [m]	NOMINAL WIDTH [mm]	NOMINAL COVERAGE [m <sup>2</sup> per Roll]	NOMINAL PACK WEIGHT [kg]	PRODUCT CODE
R1.0	50	15	1200	18	9.72	15846
R1.3	60	15	1200	18	10.62	15722 <sup>^</sup>
R1.3	60	30	1200	36	21.24	15439 <sup>^</sup>
R1.5	75	15	1200	18	12.15	15908
R1.8	80	20	1200	24	20.64	15635
R2.0	90	15	1200	18	16.92	15749
R2.3	100	10	1200	12	13.56	16143
R2.5 (HP)	100	10	1200	12	17.40	85874 <sup>^</sup>
R2.5	110	10	1200	12	14.52	17433
R3.0	130	10	1200	12	18.72	81713 <sup>^</sup>
R3.3	140	7.5	1200	9	17.01	105883
R3.6 (HP)	130	5.0	1200	6	16.8	193984
R3.6	145	7.5	1200	9	20.79	105884 <sup>^</sup>
R4.2	175	6	1200	7.2	18.14	132720 <sup>^</sup>

<sup>^</sup> AS/NZS 1530.3 Test Report available.

Material R-values are determined in accordance with AS/NZS 4859.1 at 23°C and apply to the product installed at nominal thickness.

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### Additional Product Data

Maximum Service Temperature		150°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 assessed in accordance with AS/NZS 1530.3	<ul style="list-style-type: none"> <li>• Ignitability: 0 • Spread of flame: 0</li> <li>• Heat Evolved: 0 • Smoke Developed: 1</li> </ul>
Non-Combustibility	When assessed to AS 1530.1	Non - Combustible

### 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.  
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