

Glasswool Building Blanket - Plain

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

Issue **F, 7/2024**

Product Type & Application

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

The R2.4 blanket is also known as the DIY Handypack.

Compliance with the New Zealand Building Code

When correctly specified and installed, this product meets or contributes to compliance with the following performance requirements of the building code:

- **B2 Durability** B2.3.1(a) – Glasswool Building Blanket has a well-established history of use in service.
- **E3 Internal Moisture** E3.3.1 - Glasswool Building Blanket listed in this PTS that exceeds R1.5 contributes to compliance with E3.3.1 as in Acceptable Solution E3/AS1 (where applicable).
- **F2 Hazardous building materials** F2.3.1 - Glasswool Building Blanket do not emit or give rise to harmful concentrations of gas, liquid, radiation or solid particles.
- **H1 Energy Efficiency** H1.3.1(a), H1.3.2E - Glasswool Building Blanket has been tested to AS/NZS 4859.1 to determine insulation R-values for use in accordance with Acceptable Solutions H1/AS1 and H1/AS2 and Verification Methods H1/VM1 and H1/VM2.

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 NZBC clause C3.4(c).
- Unfaced Glasswool is not a water or vapour barrier and is not suitable for water or vapour control.
- Not to be used for external concrete slab insulation.
- Maximum service temperature is 150°C for Glasswool.
- 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 subject to any warning or ban declared by MBIE under section 26 of the Building Act 2004.

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.
- 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.

Product installation information - Additional installation guidance for this product can be found in NZS 4246:2016.

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](https://bradfordinsulation.com.au) for more information.

This Product Technical Statement is published in accordance with the Building Act 2004 Section 14g. It relates to this product when it is produced at a CSR approved facility in accordance with CSR Specifications and approved materials, is unmodified, and installed in accordance with the technical data, plans, specifications, and advice prescribed by the manufacturer. It relates to the provisions of the building code in effect at the date of issue of this Product Technical Statement.

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Basis of Compliance

- BRANZ Appraisal 301.
- Testing to AS/NZS 4859.1 across the following reports-
 - BRANZ Report TP13869-006-01.
 - BRANZ Report TP13869-007-01.
 - BRANZ Report TP13869-008-01.
 - BRANZ Report TP13869-010-01
 - BRANZ Report TP13869-013.
 - BRANZ Report TP13869-015.
 - BRANZ Report DI16104-05.
 - BRANZ Report DI16104-14.
 - BRANZ Report DI16104-10.
- Professional Assessment, AS 1530.1 -
 - Warringtonfire Assessment FAS220051.
- Acceptable Solutions and Verification Methods for New Zealand Building Code Clause E3 Internal Moisture Second edition Amendment 7, 5 November 2020.
- H1 Energy Efficiency, Acceptable Solution H1/AS1, Energy efficiency for all housing, and buildings up to 300 m², Fifth edition Amendment 1, 4 August 2022.
- H1 Energy Efficiency, Acceptable Solution H1/AS2, Energy efficiency for buildings greater than 300 m², First edition Amendment 1, 4 August 2022.
- H1 Energy Efficiency, Verification Method H1/VM1, Energy efficiency for all housing, and buildings up to 300 m², Fifth edition Amendment 1, 4 August 2022.
- H1 Energy Efficiency, Verification Method H1/VM2, Energy efficiency for all housing, and buildings greater than 300 m², First edition Amendment 1, 4 August 2022.
- Bradford Safe Use Information Sheet CSR-SHE-Glasswool SDS Issued 6th February 2024.

Applicable Product Codes

R-VALUE [m ² K/W]	THICKNESS [mm]	NOMINAL LENGTH [m]	NOMINAL WIDTH [mm]	NOMINAL COVERAGE [m ² per Roll]	NOMINAL PACK WEIGHT [kg]	PRODUCT CODE
R1.0	45	30	1200	36	19.28	77688
R1.3	60	30	1200	36	21.24	15555
R1.8	80	15	1200	18	16.20	62631
R2.2	90	15	1200	18	21.24	85808
R2.4 DIY Handypack	90	7	580	4	6.39	189378
R2.6	120	10	1200	12	14.52	60353
R2.9	115	8	1200	9.6	14.98	110112
R3.3	145	10	1200	12	18.72	85807
R3.6	165	6	1200	7.2	12.83	132402

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



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