

Bradford Optimo®

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

Issue **B**

Product Type & Application

Bradford Optimo® is a semi-rigid Glasswool thermal insulation product. It is for use in suspended floors 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. The 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.

Evidence of Suitability

- Testing to AS/NZS 4859.1 across the following reports-
 - CSR Lab NATA Report R-20066.
 - CSR Lab NATA Report R-20008.
- Testing and Professional Assessment, AS/NZS 1530.3 - CSIRO Assessment FCO-2805.

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. It should be installed at nominal thickness, except where it crosses structures, services and fittings.
- Do not allow insulation to get wet after installation.
- Do not cover ventilation openings during 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 AS 3999.

Limitations of Use

- This material is not classified as non-combustible in accordance with AS 1530.1.
- Not to be used as wall or ceiling insulation. Not to be used for external concrete slab insulation.
- Maximum service temperature: 300°C.
- 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).

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.

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Applicable Product Codes

R-VALUE (m ² K/W)	THICKNESS (mm)	STANDARD SIZE (mm)	PIECES PER PACK	m ² PER PACK	COVERAGE PER PACK (m ²)	PRODUCT CODE
R2.1	75	1160 x 415	8	3.9	4.3	122432
R2.1	75	1160 x 565	8	5.2	5.7	122433
R2.5	90	1160 x 415	8	3.9	4.3	114650
R2.5	90	1160 x 565	8	5.2	5.7	114692

Different standard sizes are available for each R-value to fit between 450mm or 600mm joist spacings.

Additional Product Data

Maximum Service Temperature		300°C (suitable where a long term surface operating temperature ≥90°C is required for insulation around heat generating equipment.)
Fire Hazard Properties	When tested in accordance with AS/NZS 1530.3	<ul style="list-style-type: none"> • Ignitability: 0 • Spread of Flame: 0 • Heat Evolved: 0 • Smoke Developed: 1
Sample Specification	The insulation material shall be Bradford Optimo having a material R-Value; Rm....(specify R-Value) @ XXmm....(specify thickness) having nominal density YYkg/m3....(specify density). For installation specifications refer to the back of pack or the install guide.	

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.



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