

Bradford Fibertex® 450 - Unfaced

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

Issue **B**

Product Type & Application

Bradford Fibertex® 450 (unfaced) is a medium density, non-combustible Rockwool bulk insulation product. It is available in a board or blanket configuration with no facing material. This product is primarily used as a general-purpose insulation product in industrial applications where fire and thermal properties are required.

Compliance with the NCC

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

- **Thermal** – Complies with NCC 2019 Volume 1 Section J1.2(a), 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.
- **Non-Combustibility** - Meets the non-combustible requirements of NCC 2019 Vol.1 C1.9(a) when tested in accordance with AS 1530.1.
- **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.

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 does not meet the non-combustibility or fusion temperature requirements of AS 1668.1, 2.3.2.
- 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).
- Unfaced Rockwool is not a water or vapour barrier and is not suitable for water or vapour control.
- Not suitable for use in FRL applications.
- Not suitable for use in BAL-FZ.

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.

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.
- Suitable for applications that specify non-combustible bulk insulation products - not suitable for exposed wall and ceiling lining applications that require a Group Number.
- Insulation should be installed so that 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.
- Suitable for interior applications where the product is protected from UV light, water and wind pressure during and after installation.

For general installation guidance refer to the product information on Bradfordinsulation.com.au

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

Evidence of Suitability

- Testing to AS/NZS 4859.1 across the following reports –
 - AWTA NATA Lab Report 21-004721.
 - AWTA NATA Lab Report 21-004722.
 - AWTA NATA Lab Report 21-004723.
 - AWTA NATA Lab Report 21-004724.
 - CSR Lab Report R-21002.
 - CSR NATA Lab Report NR-21103.
 - CSR NATA Lab Report NR-21104.
 - CSR NATA Lab Report NR-21105.
- Testing and Professional Assessment, AS 1530.1 –
 - Warringtonfire Assessment FAS210056.
 - CSR NATA Lab Report NR-18003.
- Testing and Professional Assessment, AS/NZS 1530.3 –
 - CSIRO NATA Lab Report FNE9591.
 - Warringtonfire Assessment FAS200045.
 - Warringtonfire Assessment FAS210154.

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Applicable Product Codes

R-VALUE (m ² K/W)	THICKNESS (mm)	NOMINAL LENGTH (m)	NOMINAL WIDTH (mm)	PIECES PER PACK	m ² PER PIECE	PRODUCT CODE
PLAIN BOARD						
R0.72	25	1.2	600	12	8.64	114048
R1.45	50	1.2	600	6	4.32	114049
R2.10	75	1.2	600	4	2.88	114050
R2.80	100	1.2	600	3	2.16	114091
PLAIN BLANKET						
R0.74	25	4	600	2	4.8	118467
R1.45	50	4	600	2	4.8	194447
R2.15	75	4	600	2	4.8	194720

Additional Product Data

Nominal Density		80kg/m ³
Fire Hazard Properties	When tested in accordance with AS/NZS 1530 Part 3 - 1999	• Ignitability: 0 • Spread of flame: 0 • Heat Evolved: 0 • Smoke Developed: 1
Non-Combustibility	When tested in accordance with AS 1530 Part 1	Non - Combustible

Other Accreditation



National Asthma Council Sensitive Choice

FBS-1 Rockwool - The fibre component of these products is listed by Safe Work Australia as Man-made Vitreous Fibre (Rockwool) 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.