

Bradford Fibertex[®] 450 - Unfaced

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

Issue **C**

Product Type & Application

Bradford Fibertex[®] 450 (unfaced) is a medium density, non-combustible stone wool 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:

NCC 2022

- **Thermal** - Complies with NCC 2022 Volume 1 Amend. 2 J4D3(1) and ABCB Housing Provisions Standard 2022 Amend. 2 13.2.2(1). This product meets the requirements of the NCC through compliance with AS/NZS 4859.1.
- **Non-Combustibility** - Meets the non-combustible requirements of NCC 2022 Volume 1 Amend. 2 C2D10(1) when tested or assessed in accordance with AS 1530.1.
- **Fire Hazard Properties** - Meets the requirements of the NCC 2022 Volume 1 Amend. 2 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.

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. This product meets the requirements of the NCC through compliance with AS/NZS 4859.1.
- **Non-Combustibility** - Meets the non-combustible requirements of NCC 2019 Volume 1 Amend. 1 C1.9(a) when tested or assessed in accordance with AS 1530.1.
- **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.

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 SDS 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 internal 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 direct 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.

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 Amend. 2 S7C4).
- Unfaced stone wool 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.

Bradford Fibertex® 450 - Unfaced

Evidence of Suitability

- Testing to AS/NZS 4859.1 across the following reports –
 - CSR Lab Report R-25022.
 - CSR Lab Report R-25023.
 - AWTA NATA Report 25-001959.
- Testing to AS 1530.1 –
 - CSR NATA Lab Report NR-25102.
- Testing to AS/NZS 1530.3 –
 - AWTA NATA Report 25-000577.
 - AWTA NATA Report 25-001958.
 - AWTA NATA Report 25-003029.

Applicable Product Codes

R-VALUE [m²K/W]	THICKNESS [mm]	NOMINAL LENGTH [m]	NOMINAL WIDTH [mm]	PIECES PER PACK	m² PER PACK	PRODUCT CODE
PLAIN BOARD						
R1.40	50	1.2	600	5	3.60	492289 [^]
R2.10	75	1.2	600	3	2.16	492936 [^]
R2.75	100	1.2	600	2	1.44	492981 [^]

[^] 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.

Additional Product Data

PROPERTY	STANDARD	RESULT
Nominal Density		80kg/m³
Fusion Temperature	ASTM E 794	Onset Melting Temperature >1200°C
Fire Hazard Properties	When assessed in accordance with AS/NZS 1530.3	• Ignitability: 0 • Spread of flame: 0 • Heat Evolved: 0 • Smoke Developed: 0-1
Non-Combustibility	When assessed in accordance with AS 1530.1	Non - Combustible

Bradford Fibertex[®] 450 - Unfaced

Other Accreditation



National Asthma Council Sensitive Choice



FBS-1 Stone wool - The fibre component of these products is listed by Safe Work Australia as Man-made Vitreous Fibre (stone wool) 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 SDS at Bradfordinsulation.com.au for more information.