

Bradford Fibertex® - Faced Blanket

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

Issue **B**

Product Type & Application

Bradford Fibertex® Faced Blanket is a medium or high-density Rockwool bulk insulation product with a heavy-duty foil facing. 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 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.
- **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.
- **BAL** - All products meet the requirements for sheet roof construction of buildings in bushfire-prone regions BAL 12.5-40, as per AS 3959, sections 5 to 8.
- **Weatherproofing and Condensation Control** - Facing material only meets the requirements of the NCC 2022 Volume 1 F3D3 and all State-prescribed variations, through compliance with AS/NZS 4200.1.

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. This 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 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.
- **BAL** - All products meet the requirements for sheet roof construction of buildings in bushfire-prone regions BAL 12.5-40, as per AS 3959, sections 5 to 8.
- **Weatherproofing and Condensation Control** - Facing material only meets the requirements of the NCC 2019 Volume 1 Amend. 1 F1.6 and all State-prescribed variations, through compliance with AS 4200.1.

Specific Design or Installation Instructions

- Isolate power before installation.
- **WARNING:** This product contains aluminium foil which conducts electricity. To avoid electrocution, care should be taken to ensure that this product or conductive fasteners used to secure this product, do not come into contact or close proximity with electrical wiring during installation or use.
- **Caution:** Electrical cables and equipment partially or completely surrounded with bulk thermal insulation may overheat and fail.
- Stated thermal performance is based on the insulation blanket or board only - reflective R-values are construction-dependent upon the adjacent airgap and must be determined in accordance with AS/NZS4859.2.
- To create an air, water, or vapour barrier, the facing material needs to be sealed at overlaps, end laps, discontinuities and penetrations in accordance with AS 4200.2.
- 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.
- **Condensation Risk Consideration:** The facing material is classified as a vapour barrier and is recommended to be positioned on the warm side of the construction to reduce the risk of condensation entrapment within the structure. As there are many factors which can influence condensation risk it is highly recommended that designers undertake a hygrothermal analysis to further reduce condensation risk.
- To maintain the water barrier properties of the facing material it should not be punctured, creased, crushed, sharply folded or dragged over the building structure during installation.
- 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.

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Limitations of Use

- **IMPORTANT:** Compliance with the evidence of suitability data referenced in this document is only achieved when this product is produced at a CSR approved facility, in accordance with CSR specifications and approved materials.
- **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 material is not classified as non-combustible in accordance with AS1530.1 and is not suitable for use where non-combustible material is required.
- This product does not meet the non-combustibility or fusion temperature requirements of AS 1668.1 – The use of ventilation and air conditioning in buildings, 2.3.2.
- 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).
- Not suitable for use in FRL applications.
- Not suitable for use in BAL-FZ.
- The foil facing product should not come into contact with wet concrete, or alkaline materials.

Conditions of Storage & 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.
- Do not pressure clean or use mineral based cleaners on the facing product.

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

Evidence of Suitability

- Testing to AS/NZS 4859.1 across the following reports –
 - CSR Lab Report R-21002.
 - CSR Lab Report R-21107.
- Testing and Professional Assessment, AS/NZS 1530.3 –
 - Warringtonfire Assessment FAS200045.
 - Warringtonfire Assessment FAS210154.
- Testing to AS/NZS 4200.1 across the following reports apply to the **Heavy Duty** facing product -
 - AWTA Report 16-005482 – *Resistance to Dry Delamination.*
 - AWTA Report 16-005482 – *Resistance to Wet Delamination.*
 - AWTA Report 16-005482 – *Moisture Shrinkage.*
 - Orora Report 24133 – *Folding Endurance.*
 - AWTA NATA Report 16-005482 – *Tensile Strength.*
 - AWTA NATA Report 16-005482 – *Edge Tearing.*
 - R&D Services Report RD16659 – *Emittance Classification.*
 - R&D Services Report RD19028-R3 – *Vapour Control Classification.*
 - AWTA Report 7-542982-NV – *Water Control Classification.*
 - Opal Research & Technology 28401 – *Air Barrier Classification.*
 - CSR Lab NATA Report NR-17213 – *Flammability Classification*
 - CSR Lab Report R-20078 - *Thickness*

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Applicable Product Codes

R-VALUE [m²K/W]	THICKNESS [mm]	NOMINAL LENGTH [m]	NOMINAL WIDTH [mm]	PIECES PER PACK	m² PER PACK	PRODUCT CODE
FIBERTEX 350 BLANKET WITH HEAVY DUTY FOIL FACING						
TBA	30	4	600	2	4.8	194450
TBA	50	4	600	2	4.8	194448
TBA	75	4	600	2	4.8	194449
FIBERTEX 450 BLANKET WITH HEAVY DUTY FOIL FACING						
R1.45	50	4	600	2	4.8	465092
R2.15	75	4	600	1	2.4	465093
FIBERTEX 650 BLANKET WITH HEAVY DUTY FOIL FACING IS ALSO AVAILABLE						

R-values are determined in accordance with AS/NZS 4859.1. The contribution of the reflective air-gap is construction dependant and excluded from the declared R-value. The duty classification of the facing material does not influence the R-value.

Additional Product Data

Nominal Density – unfaced blanket only		60kg/m³ - Fibertex 350 80kg/m³ - Fibertex 450 100kg/m³ - Fibertex 650
Fire Hazard Properties	When assessed in accordance with AS/NZS 1530.3	• Ignitability: 0 • Spread of flame: 0 • Heat Evolved: 0 • Smoke Developed: 1

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 SUI/MSDS at Bradfordinsulation.com.au for more information.