

# Flexitel FZ Blanket

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

Issue **B**

## Product Type & Application

Bradford Flexitel FZ is a lightweight, non-combustible Glasswool blanket providing thermal resistance. It is designed as one component in a tiled roof assembly for bushfire region BAL-FZ.

## Compliance with the NCC

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

### NCC2022

- **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.
- **Non-Combustibility** – Meets the non-combustible requirements of NCC 2022 Volume 1 C2D10(1) when assessed in accordance with AS 1530.1.
- **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** – Flexitel FZ blanket meets the insulation requirements for tiled roof construction of buildings in bushfire-prone region BAL-FZ, as per AS 3959, Section 9, and Appendix H, H2(c).

### NCC2019

- **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 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.
- **BAL** – Flexitel FZ blanket meets the insulation requirements for tiled roof construction of buildings in bushfire-prone region BAL-FZ, as per AS 3959, Section 9, and Appendix H, H2(c).

## 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 one component in a prescribed system shown in AS 3959 Appendix H. Other components and installation in accordance with AS 3959 will be required for BAL FZ compliance.
- This product does not meet the 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).
- Unfaced Glasswool is not a water or vapour barrier and is not suitable for water or vapour control.
- Consult AS 3959 to determine the installation conditions when using unfaced rolls in roofs of buildings in bushfire-zoned areas.
- Maximum service temperature is 150°C for Glasswool.

## Evidence of Suitability

- Testing to AS/NZS 4859.1 at 23°C apply to the unfaced blanket -
  - CSR NATA Lab Report NR-23101.
- Testing, AS1530.1 -
  - CSR NATA Lab Report NR-23201.
- Professional Assessment, AS 1530.3 -
  - Warringtonfire Assessment FAS200045.

## 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.

**Refer to the product SUIS/MSDS at [Bradfordinsulation.com.au](http://Bradfordinsulation.com.au) for more information.**

## Flexitel FZ Blanket

### 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.
- 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.
- Bulk insulation must be installed so that it maintains its position and thickness, other than where it crosses water pipes, electrical cabling or the like; or roof battens in Class 1 and 10 buildings, cladding and supporting members in Class 2-9 buildings, or where accounted for elsewhere.
- Stated thermal performance is based on bulk insulation only. The effects of thermal bridging and any added reflective R-value contributions are construction dependent and must be determined in accordance with AS/NZS 4859.2.
- Install in accordance with the requirements of AS 3959.
- Suitable for 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 installation guide at [Bradfordinsulation.co.au](http://Bradfordinsulation.co.au)**

**Supplementary information** - Additional installation guidance for this product can be found in AS 3999.

### Applicable Product Codes

BASE BLANKET R-VALUE [m <sup>2</sup> K/W]	THICKNESS [mm]	NOMINAL LENGTH [m]	NOMINAL WIDTH [mm]	NOMINAL COVERAGE [m <sup>2</sup> per Roll]	PRODUCT	PRODUCT CODE
R1.1	38	10	1500	15	Flexitel FZ Blanket	468786
R1.1	38	15	1200	18	Flexitel FZ Blanket	468785

Material R-values are determined in accordance with AS/NZS 4859.1 at 23°C and apply to the product installed at nominal thickness.

## Flexitel FZ Blanket

### Additional Product Data

<b>Maximum Service Temperature</b>		150°C
<b>Fire Hazard Properties</b>	When assessed in accordance with AS/NZS 1530.3	• Ignitability: 0 • Spread of flame: 0 • Heat Evolved: 0 • Smoke Developed: 1
<b>Non-Combustibility</b>	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 SUIS/MSDS at [Bradfordinsulation.com.au](http://Bradfordinsulation.com.au) for more information.**