

Bradford Fireseal® FZ Roof Batts

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

Issue **B**

Product Type & Application

Bradford Fireseal® FZ Roof Batts are non-combustible, plain (unfaced) Rockwool insulation. These products are primarily intended for use as insulation for tile and metal roofs, to help prevent the ingress of embers and flames into the roof space in the event of fire in BAL-FZ zones in residential Class 1 Buildings.

Compliance with the NCC

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

NCC 2022

- **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** - Meets the Deemed to Satisfy requirements of the NCC 2022 Volume 2 H7D4 and AS 3959, Appendix H, H2(i) and H3(e) for use in BAL-FZ roofs.

NCC 2019

- **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** - Meets the Deemed to Satisfy requirements of the NCC 2019 Volume 2 Amend 1. Part 3.10.5 and AS 3959, Appendix H, H2(i) and H3(e) for use in BAL-FZ roofs.

Evidence of Suitability

- Professional Assessment, AS 1530.1 –
 - Warringtonfire Assessment FAS210056.
- Professional Assessment, AS/NZS 1530.3 –
 - Warringtonfire Assessment FAS200045.
 - Warringtonfire Assessment FAS210154.
- Testing to ASTM E 794 in the following report –
 - HRL Report 170589-02.
- Testing to ASTM C 411 in the following report –
 - R&D Services Report RD21765-R1.

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.
- 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 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.
- Install in accordance with the requirements of AS 3959.
- Suitable for installation in applicable roof fascia, eaves, barge, hip, ridge and valley edge areas.
- Suitable for 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.

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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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 S7C4).
- Unfaced Rockwool is not a water or vapour barrier and is not suitable for water or vapour control.
- This product is not designed for long term exposure and must be covered by the primary cladding as soon as possible.
- 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.

Applicable Product Codes

THICKNESS (mm)	NOMINAL LENGTH (m)	NOMINAL WIDTH (mm)	PIECES PER PACK	LINEAL METRES PER PACK	PRODUCT CODE
FZ ROOF BATTS					
100	1.2	115	10	12	125083

Additional Product Data

PROPERTY	STANDARD	RESULT
Density		100 kg/m ³
Melting/Fusion Temperature	ASTM E 794	1201°C
Maximum Surface Temperature	ASTM C 411	650°C
Non-Combustibility	When assessed in accordance with AS 1530.1	Non - Combustible
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

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.

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