

# Bradford Fireseal® Hebelstrip

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

Issue **A, 7/2023**

## Product Type & Application

Bradford Fireseal® Hebelstrip is a non-combustible Rockwool bulk insulation product primarily used as a general-purpose insulation in industrial applications where fire and thermal properties are required.

## Compliance with the New Zealand Building Code

When correctly specified and installed, this product meets or contributes to compliance with the following performance requirements of the building code:

- **B2 Durability B2.3.1(a)** – Fireseal® insulation has a well-established history of use in service.
- **C3 Fire affecting areas beyond the fire source C3.5, C3.7** - Fireseal® is non-combustible and contributes to preventing fire spread when incorporated in fire rated construction.
- **F2 Hazardous building materials F2.3.1** - Fireseal® does not emit or give rise to harmful concentrations of gas, liquid, radiation or solid particles.
- **H1 Energy Efficiency H1.3.1(a), H1.3.2E** – Fireseal® has been tested to AS/NZS 4859 to determine insulation R-values for use in accordance with Acceptable Solutions H1/AS1 and H1/AS2 and Verification Methods H1/VM1 and H1/VM2.

## 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.nz](http://Bradfordinsulation.com.nz)**

**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 C3.4(a).
- Unfaced Rockwool is not a water or vapour barrier and is not suitable for water or vapour control.

## 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.**

## Bradford Fireseal® Hebelstrip

### Basis of Compliance

- Testing to AS/NZS 4859.1 across the following reports, on nominal (uncompressed) thickness -
  - AWTA NATA Lab Report 22-002673.
- Professional Assessment, AS 1530.1 –
  - Warringtonfire Assessment Report FAS210056.
- Professional Assessment, AS/NZS 1530.3 –
  - Warringtonfire Assessment Report FAS200045.
  - Warringtonfire Assessment Report FAS210154.
- C/AS2 Acceptable Solution for Buildings other than Risk Group SH for New Zealand Building Code Clauses C1-C6 Protection from Fire First edition (Amendment 2), 5 November 2020.
- H1 Energy Efficiency, Acceptable Solution H1/AS1, Energy efficiency for all housing, and buildings up to 300 m<sup>2</sup>, Fifth edition Amendment 1, 4 August 2022.
- H1 Energy Efficiency, Acceptable Solution H1/AS2, Energy efficiency for buildings greater than 300 m<sup>2</sup>, First edition Amendment 1, 4 August 2022.
- H1 Energy Efficiency, Verification Method H1/VM1, Energy efficiency for all housing, and buildings up to 300 m<sup>2</sup>, Fifth edition Amendment 1, 4 August 2022.
- H1 Energy Efficiency, Verification Method H1/VM2, Energy efficiency for all housing, and buildings greater than 300 m<sup>2</sup>, First edition Amendment 1, 4 August 2022.
- Bradford Safe Use Information Sheet FBS-1 Rockwool Insulation Products, 15 January 2021.

### Applicable Product Codes

| R-VALUE (m <sup>2</sup> K/W) | THICKNESS (mm) | NOMINAL LENGTH (m) | NOMINAL WIDTH (mm) | PIECES PER PACK | m <sup>2</sup> PER PACK | PRODUCT CODE |
|------------------------------|----------------|--------------------|--------------------|-----------------|-------------------------|--------------|
| <b>Fireseal® Hebelstrip</b>  |                |                    |                    |                 |                         |              |
| R0.39                        | 13             | 0.75               | 225                | 15              | 2.5                     | 181341       |

### Additional Product Data

|                               |  |  |
|-------------------------------|--|--|
| <b>Nominal Density</b>        |  | Fireseal® Hebelstrip - 110kg/m <sup>3</sup>                                      |
| <b>Fire Hazard Properties</b> | When assessed in accordance with AS/NZS 1530.3 | • Ignitability: 0 • Spread of flame: 0<br>• Heat Evolved: 0 • Smoke Developed: 1 |
| <b>Non-Combustibility</b>     | When assessed to AS 1530.1                     | Non - Combustible  |

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