

Bradford FibertexTM 450 - Unfaced

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

Issue **A,09/2026**

Product Type & Application

Bradford FibertexTM is a non-combustible stone wool bulk insulation product primarily used as a general-purpose insulation in industrial applications where fire and thermal properties are required. It is available without facing material in the following configurations-

- Bradford FibertexTM 450 is medium density and available as a board.

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) – FibertexTM insulation has a well-established history of use in service.
- **C3 Fire affecting areas beyond the fire source** C3.5, C3.7 - FibertexTM is non-combustible and contributes to preventing fire spread when incorporated in fire rated construction.
- **F2 Hazardous building materials** F2.3.1 - Bradford FibertexTM do 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 – FibertexTM have been tested to AS/NZS 4859.1 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 bradford.co.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 stone wool 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 SDS at bradford.co.nz for more information.

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Basis of Compliance

- 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 and Professional Assessment to AS 1530.1 across the following reports-
 - Jensen Hughes Assessment 260799.
 - 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.
- C/AS2 Acceptable Solution for Buildings other than Risk Group SH for New Zealand Building Code Clauses C1-C6 Protection from Fire Second edition, 28th July 2025.
- H1 Energy Efficiency, Acceptable Solution H1/AS1, Energy efficiency for all housing, and buildings up to 300 m², Fifth edition Amendment 1, 4 August 2022.
- H1 Energy Efficiency, Acceptable Solution H1/AS2, Energy efficiency for buildings greater than 300 m², First edition Amendment 1, 4 August 2022.
- H1 Energy Efficiency, Verification Method H1/VM1, Energy efficiency for all housing, and buildings up to 300 m², Fifth edition Amendment 1, 4 August 2022.
- H1 Energy Efficiency, Verification Method H1/VM2, Energy efficiency for all housing, and buildings greater than 300 m², First edition Amendment 1, 4 August 2022.
- Bradford SDS FBS-1 Mineral (stone/rock) wool Insulation Products, 11th September 2026.

Applicable Product Codes

R-VALUE (m ² K/W)	THICKNESS (mm)	NOMINAL LENGTH (m)	NOMINAL WIDTH (mm)	PIECES PER PACK	m ² PER PACK	PRODUCT CODE
Fibertex 450 PLAIN BOARD						
R1.40	50	1.2	600	5	3.60	492289
R2.10	75	1.2	600	3	2.16	492936

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

Bradford NZ, 14 The Furlong, Takanini, Auckland For further technical advice call 0800 277 123/ visit bradfordinsulation.co.nz/ email bradford@csr.co.nz

Bradford NZ is a business division of CSR Building Products (NZ) Limited (NZBN 9429040750194)

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Additional Product Data

Nominal Density		Fibertex 450 - 80kg/m ³
Fusion Temperature	ASTM E 794	Onset Melting Temperature >1200°C
Fire Hazard Properties	When assessed in accordance with AS/NZS 1530.3	<ul style="list-style-type: none"> • Ignitability: 0 • Spread of flame: 0 • Heat Evolved: 0 • Smoke Developed: 0-1
Non-Combustibility	When assessed to AS 1530.1	Non - Combustible

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 csrbradford.com.au for more information.

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