Fletcher Insulation
Building Better, Together

Technical data sheet

Pink® Building Blanket

Non-combustible thermal and acoustic glasswool insulation blanket

Description

Pink® Building Blanket is a general purpose, lightweight and flexible glasswool blanket containing up to 80% recycled content.

Applications

Designed for use in both commercial and residential metal roof and wall applications, when installed behind a ceiling or wall lining. It provides effective thermal and acoustic properties by reducing heat transfer and minimising the internal reverberation and flow of unwanted nuisance noise generated from adjacent buildings/rooms and/or the external environment.

Features and benefits

Meets AS 4859.1 for thermal performance	→	Assurance that the product complies with the thermal requirements of National Construction Code (NCC).
Non-combustible	→	Meets AS 1530.1 avoiding additional fuel loading to a building and meeting the requirements of the NCC.
Assists in reducing unwanted external noise inside a building often caused by weather conditions	→	Provides a more comfortable living and working space.
FBS-1 Bio-Soluble product	→	Safe and comfortable to handle.

Product data

Material R-value m^2K/W	Thickness mm	Width mm	Length m	m^2 per roll	Product code
R1.3	55	1200	25	30.0	4005968
		1200	30	36.0	4005966
		1200	33	39.6	4005967
R1.8	75	1200	25	30.0	4005973
R2.5	100	1200	10	12.0	4005980
R3.0	130	1200	10	12.0	4005981
R3.2		1200	10	12.0	4005983
R3.6		1200	6.5	7.8	4005984

Physical properties

Property	Test method	Result	Unit
Thermal resistance R-value	AS/NZS 4859.1	Complies	m2K/W
Moisture absorption	When exposed to environmental conditions of 50°C and 95% relative humidity for four days	< 0.2	% by volume
Determining fungi resistance of insulation materials	ASTM C1338-14	Pass (No growth)	–

Fire hazard properties

Pink® Building Blanket exhibits these characteristics when tested in accordance with the following standards:

Property	Test method/standard	Result
Combustibility	AS 1530.1	Non-combustible
Early Fire Hazard Indices Ignitability Index Spread of Flame Index Heat Evolved Index Smoked Developed Index	AS/NZS 1530.3	 0 0 0 1

Product limitations

- **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.
- This product does not have a Group Number in accordance with AS 5637.1 (NCC 2022 Volume 1 S7C4, NCC 2025 Volume 1 S7C4) and is not suitable as an exposed internal wall and ceiling lining where a group number is required.
- Unfaced glasswool is not a water or vapour barrier and is not suitable as a water or vapour control.
- Not suitable under tile roof.
- This product must not be installed in areas where it may be exposed to liquid water, persistent moisture, or weathering.
- The maximum service temperature for this product is 150°C.
- Unfaced Glasswool is not a water or vapour barrier and is not suitable as a water or vapour control.
- Check the plasterboard ceiling manufacturers guide for any weight limitations on ceilings framing or linings prior to installation.

Compliance

NCC 2022

When correctly specified and installed, the product complies with below NCC clauses and relevant standards:

- Complies with AS/NZS 4859.1 as referenced in NCC 2022 Volume 1 J4D3(1) and ABCB Housing Provisions section 13.2.2(1).
- Meets the requirements of NCC 2022 Volume 1 J3D5(1) and ABCB Housing Provisions 2022 13.2.3(7) by providing an R-value of R0.2 when crushed between metal roof sheet and framing members.
- Classified as non-combustible when tested or assessed in accordance to AS 1530.1, therefore complies with the requirements of NCC clause C2D10 (1).
- When tested or assessed to AS/NZS 1530.3 this product does not exceed the ‘Spread of Flame’ or ‘Smoke Developed’ indices as required by NCC 2022 Volume 1 S7C7 for insulation materials other than sarking material.

NCC 2025

When correctly specified and installed, the product complies with below NCC clauses and relevant standards:

- Complies with AS/NZS 4859.1 as referenced in NCC 2025 Volume 1 J4D3(1) and ABCB Housing Provisions section 13.2.2(1).
- Meets the requirements of NCC 2025 Volume 1 J3D5(1) and ABCB Housing Provisions 2022 13.2.3(7) by providing an R-value of R0.2 when crushed between metal roof sheet and framing members.
- Classified as non-combustible according to AS 1530.1, therefore complies with the requirements of NCC clause C2D10 (1).
- When tested or assessed to AS/NZS 1530.3 this product does not exceed the 'Spread of Flame' or 'Smoke Developed' indices as required by NCC 2025 Volume 1 S7C7 for insulation materials other than sarking material.

Acoustic performance

Flow resistivity

Acoustic performance of Pink® Building Blanket products used in sound absorption applications can be measured by their resistance to air flow, this is recognised as flow resistivity.

Tested in accordance with ASTM Standard C522-03 Standard Test method for Airflow Resistance of Acoustic Materials. The following table rates the flow resistivity of Pink® Building Blanket products:

Product	Thickness mm	RAYLS/m
Pink® Building Blanket R1.3	55	3930
Pink® Building Blanket R1.8	75	4750
Pink® Building Blanket R2.5	100	5930
Pink® Building Blanket R3.0	130	3950

Maintenance and conditions of use

- Product must be kept dry and not be exposed to weather in any condition including prior, during and after installation.
- Ensure product is protected from physical damage during storage and avoid packaging being stored under UV light (such as direct sunlight) for extended periods.
- The product must be installed without compression to maintain its claimed R-value.

Health and safety

Pink® Building Blanket insulation is manufactured from FBS-1 Glasswool Bio-Soluble Insulation®. Refer to Fletcher Insulation SUIS for more information.

Environmental properties

Pink® Building blanket is manufactured from up to 80% recycled content which would otherwise go into landfill and be unsuitable for alternative manufacturing processes.

Fletcher Insulation avoids the use of Ozone Depleting Potential (ODP) substances in the manufacture or composition of its FBS-1 Glasswool Bio-Soluble Insulation®.

The use of Pink® Building Blanket provides the use of Zero ODP insulation while also ensuring that no harmful levels of Volatile Organic Compounds (VOCs) are released. This allows the incorporation of environmentally preferable insulation whilst also maintaining indoor air quality.

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Technical specification

When specifying, please state the following:
The insulation material must be Fletcher Insulation Pink® Building Blanket with a Material R-value of R_____m²K/W (specify Material R-value) at a nominal thickness of _____mm (specify nominal thickness). Compliant with the thermal testing requirements of AS/NZS 4859.1 and non-combustible according to AS1530.1.

The following performance attributes must be specified:

- Product must be FBS-1 Biosoluble.
- Product must recover to the requirements of AS/NZS 4859.1.
- Where sound performance is required for the project, Flow Resistivity level must be _____.

Installation instructions

For the correct installation method, follow the Installation Guidelines available from insulation.com.au

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