

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. Pink® Building Blanket provides the added benefit of being an effective sound absorber and is thereby a suitable solution for the acoustic treatment of metal clad buildings. Pink® Building Blanket is commonly installed in conjunction with a Sisalation® facing foil membrane which works to minimise the risk of condensation. Where a non-combustible product is required, this product can be used in conjunction with Sisalation® to achieve NCC compliance.

Product limitations of use

- Not to be used or exposed to weather in any condition including prior, during and after installation. Product must be kept dry at all times.
- Not suitable for applications where high humidity is present within building (wet climates for a long period).
- Not suitable for under tiled roofs.
- Modifications not permissible, as suitability &/or compliance may be compromised.
- Product needs to be allowed to fully recover before installation.
- Suitable roof ventilation must be installed in accordance with the requirements of the NCC.

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 ² K/W	Thickness mm	Width mm	Length m	m ² per roll	Product code	New product code
R1.3	55	1200	25	30.0	905337	4005968
		1200	30	36.0	905300	4005966
		1200	33	39.6	905330	4005967
R1.8	75	1200	25	30.0	907250	4005973
R2.5	100	1200	10	12.0	908100	4005980
		1200	15	18.0	908920	4005981
R3.0	130	1200	10	12.0	909100	4005982
R3.2		1200	10	12.0	909203	4005983
R3.6		1200	6.5	7.8	909306	4005984

Physical properties

Property	Test method	Result	Unit
Thermal resistance R-value	AS/NZS 4859.1	Complies	m ² K/W
Moisture absorption	When exposed to environmental conditions of 50°C and 95% relative humidity for four days	< 0.2	% by volume
Maximum service temperature	ASTM C411/C447	340	°C
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	AS/NZS 1530.3	0
Ignitability Index		
Spread of Flame Index		
Heat Evolved Index		
Smoke Developed Index		
BAL Compliance	AS 3959	Low-40

Compliance

NCC 2019

- Complies with AS/NZS 4859.1 as referenced in NCC 2019, Volume 1 Clause J1.2(a) and NCC 2019, Volume 2 Clause 3.12.1.1
- Thickness and density specifications cover the requirements of the acceptable forms of construction for sound insulation according to NCC 2019 Volume 1, Specification F5.2 and NCC 2019 Volume 2, 3.8.6.1.
- Classified as non-combustible according to AS 1530.1, therefore complies with the requirements of NCC Volume 1 C1.9(a) and, wherever a non-combustible insulation material is required according to NCC 2019 Volume 2.
- When tested to AS/NZS 1530.3 this product does not exceed the 'Spread of Flame' or 'Smoke Developed' indices as required by NCC 2019 Volume 1, Specification C1.10 Clause 7 for insulation materials.

NCC 2022

- When correctly specified and installed, the product complies or assists to comply 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 3.12.2(1).
- Thickness and density specifications cover the requirements of the Acceptable forms of Construction for sound insulation according to NCC 2022 Volume 1, Specification 28 and NCC 2022 Volume 2, ABCB Housing Provisions Part 10.7.
- Classified as non-combustible according to AS 1530.1, therefore complies with the requirements of NCC Clause C2D10 (1.) and wherever a non-combustible insulation material is required according to NCC 2022 Volume 2.
- When tested to AS/NZS 1530.3 this product does not exceed the 'Spread of Flame' or 'Smoke Developed' indices as required by NCC Clause C2D11 (1)(i) and Specification 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

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.

Maintenance and conditions of use

- Product should be kept dry at all time, not to be exposed to weather in any condition including prior, during and after installation.
- If used with any other products except Sisalation, confirmation of suitability must be reviewed.
- When storing, ensure product is protected from physical damage. Avoid storing product packaging under UV light (direct sunlight) for extended periods.
- If product is compressed it will reduce the thermal performance of the product, it is recommended where permissible Roof Razor® is installed, to allow the product to recover to its nominal thickness to achieve the declared material R-value
- Where Insulation is used in conjunction with Sisalation products and can be inspected, ensure any tears in the facing are repaired with appropriate tape as highlighted in the product's installation guidelines.
- When product is installed as per the product installation guidelines, no further maintenance is required for this product.

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

© Fletcher Insulation Pty Limited 2024. Fletcher Insulation reserves the right to change product specifications without prior notification. Information in this publication and otherwise supplied to users as to the subject product is based on our general experience and is given in good faith, but because of the many particular factors which are outside our knowledge and control and affect the use of products, no warranty is given or is to be implied with respect to either such information or the product itself, in particular the suitability of the product for any particular purpose. The purchaser should independently determine the suitability of the product for the intended application. The colour PINK, Pink® and Pink® Batts are registered trademarks of Owens Corning used under licence by Fletcher Insulation. FBS-1 Glasswool Bio-Soluble Insulation® is a registered trademark of ICANZ. Unless otherwise stated all ™ and ® are trademarks and registered trademarks of Fletcher Insulation Pty Limited ABN 72 001 175 355. HTDS4_Revision_3_Issue date 14062024.