

Pink® Building Blanket

Non-combustible thermal and acoustic insulation blanket for roofs

Description

Pink® Building Blanket is a general purpose, lightweight, flexible and resilient glasswool material containing up to 80% recycled content. It provides excellent thermal performance by minimising heat transfer into a building.

Applications

Designed for use in metal roof and wall building applications, Pink® Building Blanket is commonly installed in conjunction with a Sisalation® facing foil membrane which works to minimise the risk of condensation. Pink® Building Blanket provides the added benefit of being an effective sound absorber and is thereby an excellent solution for the acoustic treatment of metal clad buildings.

Product data

Material R-value m ² K/W	Thickness mm	Width mm	Length m	m ² per roll	Product code
R1.3	55	1200	25	30.0	905337
		1200	30	36.0	905300
R1.8	75	1200	25	30.0	907250
R2.5	100	1200	10	12.0	908100
		1200	15	18.0	908920
R3.0	130	1200	10	12.0	909100
R3.2		1200	10	12.0	909203
R3.6		1200	6.5	7.8	909306

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	350	°C
pH	ASTM C871	9 (does not contribute to the corrosion of steel structures)	

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	
Ignitability Index		0
Spread of Flame Index		0
Heat Evolved Index		0
Smoke Developed Index		2
BAL Compliance	AS 3959	Low-40

Compliance

- 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.
- Complies with the requirements of AS 3959 Bushfire Attack Level Low-FZ in walls, floors and ceilings.
- Complies with all state variations to the NCC 2019.

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.

Flow resistivity performance is valuable when evaluating products of the same thickness and density that have varying fibre attributes.

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®. FBS-1 Glasswool Bio-Soluble Insulation® is safe to use and is classified as non-hazardous according to the criteria of Safe Work Australia. Fletcher Insulation glasswool can be used with confidence in any residential or commercial application.

Environmental properties

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

The use of Pink® Building Blanket guarantees 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.

Technical specification

When specifying, state the following:

The insulation material shall 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).