

Pink® Batts: Ceiling

Non-combustible thermal glasswool insulation batts for residential ceiling applications

Description

Pink® Ceiling Batts are made from lightweight, flexible and resilient glasswool for thermal and acoustic insulation of residential ceilings. Pink® Ceiling Batts are available in various sizes to fit standard timber and steel ceiling joist spacings.

Application

Pink® Ceiling Batts are used in ceiling applications when constructing new homes or retrofitting existing buildings for increased thermal efficiency. The Pink® Batts insulation range is available in various thermal R-values and dimensions ensuring there is an effective and efficient product solution for every application.

Pink® Ceiling Batts, renowned for their firmness, are low itch, easy to cut and friction fit standard joists to make homes feel cooler in summer, warmer in winter and provide energy savings all year round.

Product limitations of use

- Not to be used/exposed to weather in any condition including prior, during and after installation
- Check the plasterboard ceiling manufacturers guide for any weight limitations on ceilings
- This product cannot be used as a water or vapour barrier
- Modifications not permissible, as suitability &/or compliance may be compromised
- Product needs to be allowed to fully recover before use (cannot be used crushed)

Features and benefits

Firm to fit	→	Friction fit to stay in place without slumping, for continual thermal performance.
Recover to their natural thickness quickly	→	You can be assured the batts will meet their required thermal performance.
Australian made using up to 80% recycled content	→	Made for Australian conditions.
Codemark certified	→	Assurance that product meets requirements of National Construction Code (NCC).

Physical characteristics

	Material R-value m ² K/W	Nominal Thickness mm	Width mm	Length mm	Batts per pack	m ² per pack	Coverage per pack m ²	Packs per Bale	Old product code	New product code
Ceiling	R2.5	130	430	1160	16	8.0	9.0	6	901254	4006098
			580	1160	16	10.8	12.2	6	901255	4006099
	R3.0	155	430	1160	16	8.0	9.0	5	901304	4006100
			580	1160	16	10.8	12.2	5	901305	4006101
	R3.5	175	430	1160	16	8.0	9.0	4	901354	4006102
			580	1160	10	6.7	7.6	6	901355	4006103
	R4.1	215	430	1160	10	5.0	5.6	5	901414	4006039
			580	1160	10	6.7	7.6	6	901415	4006040
	R5.0	220	430	1160	8	4.0	4.5	5	901504	4006041
			580	1160	8	5.4	6.1	5	901505	4006042
	R6.0	250	430	1160	6	3.0	3.4	5	901604	4006043
			580	1160	6	4.0	4.6	5	901605	4006044
	R7.0	285	430	1160	4	2.0	2.3	5	901704	4006045
			580	1160	4	2.7	3.0	5	901705	4006046

Physical properties

Property	Test method/standard	Result	Unit
Maximum service temperature	ASTM C411/C447	350	°C
Thermal resistance	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
Anti-fungal	Resistance to fungal growth	Pass	-

Fire hazard properties

Pink ceiling batts exhibit the following characteristics when tested in accordance with the following standards:

Property	Test method/standard	Result
Combustibility	AS/NZS 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-FZ

Compliance

NCC2019

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 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/NZS 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, clause C1.10 (ix) and Specification C1.10 Clause 7 for insulation materials.
- Complies with the requirements of AS3959 Bushfire Attack Level Low-FZ in walls, floors and ceilings.
- Complies with all state variations to the NCC 2019.

NCC2022

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).
- Classified as non-combustible according to AS/NZS 1530.1, therefore complies with the requirements of NCC clause C2D10 (1).
- 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

Sound absorption

Pink® Ceiling Batts tested achieve the following sound absorption coefficients when tested in accordance with AS ISO 354.

Property	Thickness mm	Sound absorption coefficients at frequencies (Hz) of:						NRC	αw
		125	250	500	1000	2000	4000		
Pink® Batts R3.5	175	0.55	1.0	1.0	1.0	1.0	1.0	1.10	1.0

Flow resistivity

Pink® Batts tested achieve the following flow resistivities when tested in accordance with ASTM C522.

Property	Test method/standard	Test results							Unit
		Thickness mm	130	155	175	195	215	250	
	R-Value	2.5	3.0	3.5	4.0	5.0	6.0		
Airflow resistance of acoustic materials	ASTM C522	2470	2850	2700	3160	4500	4460	RAYLS/m	

Health and safety

Fletcher Insulation glasswool products are manufactured from FBS-1 Glasswool Bio-Soluble Insulation®. Refer to Fletcher Insulation SUIS for more information.

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®.

The use of these Fletcher Insulation products 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.

Maintenance and conditions of use

- Product should be kept dry and not be exposed to weather in any condition including prior, during and after installation.
- Product needs to be correctly installed in the right stud width and depth.
- It should be installed without compression to keep its claimed R-value.
- If used with any other products except Sisalation, confirmation of suitability must be reviewed.
- Where insulation 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 shall be Fletcher Insulation Pink® Batts Ceiling R _____ m²K/W (Material R-value)
_____ (thickness) x _____ (width) x _____ (length) mm.

Product must be FBS-1 Bio-soluble.

Product must recover after packaging removal, to the requirements of AS4859.1.

Follow installation guidelines available from www.insulation.com.au for correct installation method.

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