Fletcher Insulation
Building Better, Together

Technical data sheet

Pink® Batts: Wall

Thermal insulation for residential wall applications

Description

Pink® Batts are made from flexible and resilient glasswool for thermal and acoustic insulation of residential walls. Pink® Batts are available in various sizes and densities to fit standard timber and steel stud spacings.

Application

Pink® Batts are the trusted choice when it comes to 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® Batts, renowned for their firmness, are low itch, easy to cut and friction fit standard wall studs 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).

Product data

	Material R-value m²K/W	Nominal thickness mm	Width mm	Length mm	Batts per pack	m² per pack	Coverage per pack m²	Packs per Bale	Old product code	New product code
Wall	R1.5	70	430	1160	24	12.0	13.6	6	900166	4006277
			580	1160	24	16.1	18.2	6	900167	4006278
	R2.0	90	430	1160	24	12.0	13.6	5	901217	4006093
			580	1160	24	16.1	18.2	5	901218	4006094
	R2.0 HD	70	430	1160	12	6.0	6.8	6	900210	4006279
			580	1160	12	8.1	9.1	6	900211	4006280
			600	1200	12	8.6	8.6	6	900213	4006281
	R2.5 HD	90	430	1160	12	6.0	6.8	5	900253	4006071
			580	1160	12	8.1	9.1	5	900256	4006072
			600	1200	12	8.6	8.6	6	900214	4006069

Physical properties

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

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

Fire hazard properties

Property	Test method/standard	Result
Combustibility	AS1530.1	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		0–1
BAL Compliance	AS3959	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, therfore 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® Batts tested achieve the following sound absorption coefficients when tested in accordance with AS ISO 354–2006.

		Sound absorption coefficients at frequencies (Hz) of:							
Property	**Thickness mm**	**125**	**250**	**500**	**1000**	**2000**	**4000**	**NRC**	**αw**
Pink® Wall Batts	90	0.40	0.79	1.03	0.97	0.94	0.92	0.95	1.0

Flow resistivity

Pink® Wall Batts tested achieve the following flow resistivities when tested in accordance with ASTM C522-03.

	Thickness mm	70	90	70	90	
	R-Value	1.5	2.0	2.0 HD	2.5 HD	
Property	**Test method/standard**	**Test results**				**Unit**
Airflow resistance of acoustic materials	ASTM C522-03	5410	4730	11750	7930	RAYLS/m

Health and safety

Fletcher Insulation glasswool products are manufactured from FBS-1 Glasswool Bio-Soluble Insulation®.

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, state the following:
The insulation material shall be Fletcher Insulation Pink® Batts Wall R _____ m^2K/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.