

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.
- Not suitable for applications where high humidity is present within building (wet climates for a long period).
- This product cannot be used as a water or vapour barrier.
- Modifications not permissible, as suitability and/or compliance may be compromised.
- Product must be allowed to fully recover before use (cannot be used crushed).
- Confirm any weight limitations of ceiling framing/lining prior to installation to ensure additional weight of insulation does not compromise the system.

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 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 |
|------|-------------------------------------|----------------------|----------|-----------|----------------|-------------------------|----------------------------------|----------------|------------------|------------------|
| 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 | 5.99 | 6.8 | 6 | 900210 | 4006279 |
| | | | 450 | 1200 | 12 | 6.4 | 6.4 | 6 | N/a | 4021074 |
| | | | 580 | 1160 | 12 | 8.07 | 8.96 | 6 | 900211 | 4006280 |
| | | | 600 | 1200 | 12 | 8.6 | 8.6 | 6 | 900213 | 4006281 |
| | R2.5 HD | 90 | 430 | 1160 | 12 | 5.99 | 6.64 | 5 | 900253 | 4006071 |
| | | | 580 | 1160 | 12 | 8.07 | 8.96 | 5 | 900256 | 4006072 |
| | | | 450 | 1200 | 12 | 6.3 | 6.3 | 5 | - | 4020595 |
| | | | 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 | 340 | °C |
| 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 |
| Fungi resistance of insulation materials | ASTM C1338-14 | Pass (no growth) | - |

Fire hazard properties

| Property | Test method/standard | Result |
|---------------------------|----------------------|-----------------|
| Combustibility | AS1530.1 | Non-combustible |
| Early Fire Hazard Indices | AS/NZS 1530.3 | 0 |
| Ignitability Index | | |
| Spread of Flame Index | | |
| Heat Evolved Index | | |
| Smoke Developed Index | 0-1 | |
| BAL Compliance | AS3959 | Low-FZ |

Compliance

NCC 2019

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.
- 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.

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).
- 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® Batts tested achieve the following sound absorption coefficients when tested in accordance with AS ISO 354-2006.

| Property | Thickness mm | Sound absorption coefficients at frequencies (Hz) of: | | | | | | NRC | α _w |
|------------------|--------------|---|------|------|------|------|------|------|----------------|
| | | 125 | 250 | 500 | 1000 | 2000 | 4000 | | |
| 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.

| Property | Test method/standard | Test results | | | | Unit | |
|--|----------------------|--------------|-----|-----|--------|--------|---------|
| | | Thickness mm | 70 | 90 | 70 | | 90 |
| Airflow resistance of acoustic materials | ASTM C522-03 | R-Value | 1.5 | 2.0 | 2.0 HD | 2.5 HD | 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 must be kept dry and not be exposed to weather in any condition including prior, during and after installation.
- Product must be correctly installed in the right stud width and depth.
- Product must be installed without compression to keep its claimed R-value.
- If used with any other products except Sisalation, confirmation of suitability must be reviewed.
- 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 Wall 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 AS 4859.1.

Installation instructions

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

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