



PRODUCT DATA SHEET

# Wall

## PINK® BATTS® WALL INSULATION

### Application

Pink® Batts® wall insulation is a lightweight flexible glass wool insulation product designed to:

- Thermally insulate timber and steel framed walls
- Fit easily into standard wall constructions, or be easily cut to fit in non-standard constructions
- Meet the requirements of the New Zealand Building Code (NZBC) for different designs and environments

### Features and Benefits

- High R-values – R-values up to R4.0 to assist in keeping homes above 18°C as per the World Health Organization’s recommendation for a healthy and comfortable home
- Easy to install – lightweight, flexible and simple design makes the installation fast and easy
- Internationally certified for Indoor Air Quality – gives assurance that products meet strict chemical emissions limits
- Non-combustible – will not easily burn in the event of a fire
- Made from over 80% recycled glass making sustainable use of waste
- Made in New Zealand - designed for New Zealand building conditions and reduces emissions associated with the importing of overseas manufactured product

**Always.**

## Environment

Pink® Batts® insulation is a sustainable and energy efficient product.

- Manufactured using over 80% recycled glass, making sustainable use of waste
- Energy used during the manufacture of Pink® Batts® products is offset by the energy saved by a home fully insulated with Pink® Batts® products within 3-15 months<sup>1</sup>
- Manufactured in Auckland, minimising shipping distances compared to imported products

### Green Star NZ Credits

Green Star is a comprehensive environmental rating system for buildings; materials with certain attributes can receive points that contribute to the overall score of a rated home.

New Zealand Green Building Council (NZGBC) does not test or certify products; they rely on the work done by third party certification bodies and eco labels like Environmental Choice. Further information is available at [nzgbc.org.nz](http://nzgbc.org.nz).

### Environmental Choice

All Pink® Batts® Wall insulation products have Environmental Choice New Zealand Accreditation (refer to the Product Specifications)



Licence No 2504017.  
Thermal Building Insulants

Independently assessed for:

- **Waste Minimisation:** Recycled content, and recycling of process waste
- **Energy Management:** Effective energy management policies and procedures
- **Manufacturing Process:** Not manufactured using blowing agents with a Global Warming Potential (GWP) or Ozone Depleting Potential (ODP)
- **Product Characteristics:** Durability and performance

While only BRANZ appraised products are eligible for Environmental Choice, all Pink® Batts® thermal insulation products are manufactured in the same environmentally considerate way.

<sup>1</sup> [Beca Carter Hollings & Ferner Ltd, Energy Economics of Fibreglass Insulation, 2005]

## Health and Safety

### Product Safety

Pink® Batts® insulation is a non-hazardous, safe product.

- IARC (International Agency for Research on Cancer) classifies glass wool formulation used to manufacture Pink® Batts® products as Group 3: 'Not classifiable as to its carcinogenicity to humans'. This is the same classification as caffeine, tea, hair colouring, chlorinated drinking water, saccharin
- Pink® Batts® insulation is bio-soluble. In the unlikely event any fibres are inhaled into the lungs they will dissolve in the body fluids and be cleared from the body



### Indoor Air Quality

- Pink® Batts® insulation is certified under the GREENGUARD Certification Program. Being certified for indoor air quality gives an assurance that products meet strict chemical emissions limits (including minimal levels of VOCs and formaldehyde), to help create healthier indoor environments



### General Health

- Pink® Batts® insulation will assist in meeting the World Health Organization recommendation for houses to be maintained at a minimum temperature of 18°C to provide a healthy and comfortable home
- A Wellington School of Medicine study found insulated houses resulted in families with fewer sick days and the economic benefit was double the initial cost of the insulation<sup>2</sup>

<sup>2</sup> Howden-Chapman, P. et al. "Effect of insulating existing houses on health inequality: cluster randomised study in the community" British Medical Journal, 2007, p334:460

## Technical Data

| Properties          | Result          |     | Test/Method/Standard   | Test Results               |
|---------------------|-----------------|-----|--|----------------------------|
| Combustibility      | Non-Combustible | ✓   | AS/NZS 1530.1:1994   | Group Number 1S            |
| Early Fire Hazards  |                 | ✓   | AS/NZS 1530.3:1993<br>- Ignitability (Range 0-20)<br>- Spread of Flame Index (Range 0-10)<br>- Heat Evolved Index (Range 0-10)<br>- Smoke Developed Index (Range 0-10) | = 0<br>= 0<br>= 0<br>= 0-1 |
| R-value             | Various*        | ✓   | AS/NZS 4859.1:2002   |                            |
| Corrosion           | Non-Corrosive   | N/A | AS/NZS 4859.1:2002-Glass wool exempt   |                            |
| Moisture Absorption | Non-Hygroscopic | N/A | AS/NZS 4859.1:2002-Glass wool exempt   |                            |
| Vermin Resistance   | No Food Source  | ✓   | AS/NZS 4859.1:2002-Glass wool exempt   |                            |

\*Stated thicknesses are values at which stated R-values are achieved and are likely to be minimum levels. See table on page 5.

## New Zealand Building Code (NZBC) and Limitations

Pink® Batts® wall insulation when used, installed and maintained in accordance with the requirements outlined in this datasheet, will meet or contribute to meeting the following provisions of the NZBC:

### NZBC Clause B2: Durability

Meets the requirement NZBC B2.3.1 a) 50 years and NZBC B2.3.1 b) 15 years

### NZBC Clause E3: Internal Moisture

Contributes to meeting these requirements

### NZBC Clause F2: Hazardous Building Materials

Meets this requirement and will not present a health hazard to people

### NZBC Clause H1: Energy Efficiency

Contributes to meeting this requirement

## Limitations

To meet the provisions of the NZBC as outlined in this datasheet, Pink® Batts® wall insulation MUST be:

- Installed and maintained in a dry protected environment
- Installed in a building where the provisions of NZBC E2 and E3 are met
- Installed to the requirements of NZS 4246:2016: Energy Efficiency-Installing bulk thermal Insulation in Residential Buildings
- Pink® Batts® wall insulation should NOT be crushed or folded

## Acoustic Properties

Pink® Batts® insulation will assist with noise control, however penetrations in walls will transmit sound readily. Superior noise control can be achieved by using Pink® Batts® insulation products in conjunction with good acoustic design.

## Product Specifications

| WALL - Thermal Insulation                 |  | PRODUCT CODE | SIZE (mm)  | NOMINAL STABILISED THICKNESS (mm) | NOMINAL TOTAL AREA PER BALE (m <sup>2</sup> ) | APPROX. COVERAGE PER BALE* (m <sup>2</sup> ) | ENVIRONMENTAL CHOICE |
|---|--|--------------|------------|-----------------------------------|---|--|----------------------|
| <b>Masonry</b>                            |  |              |            |                                   |   |  |                      |
| <b>R1.0</b>                               | Pink® Batts® Masonry R1.0                  | 7160110      | 1220 x 580 | 40                                | 21.2  | -  | ✓                    |
| <b>R1.2</b>                               | Pink® Batts® Masonry R1.2                  | 7160134      | 1220 x 580 | 50                                | 17.0  | -  |                      |
| <b>70mm Wall Range</b>                    |  |              |            |                                   |   |  |                      |
| <b>R2.2</b>                               | Pink® Batts® Classic R2.2 70mm Wall        | 7160248      | 1140 x 560 | 70                                | 6.4   | 7.5  |                      |
| <b>90mm Wall Range</b>                    |  |              |            |                                   |   |  |                      |
| <b>R1.8</b>                               | Pink® Batts® Classic R1.8 Wall             | 7127118      | 1140 x 560 | 90                                | 16.6  | 19.6   | ✓                    |
| <b>R2.2</b>                               | Pink® Batts® Classic R2.2 Wall             | 7127122      | 1140 x 560 | 90                                | 13.4  | 15.8   | ✓                    |
| <b>R2.2</b>                               | Pink® Batts® Steel R2.2 Wall               | 7160214      | 1220 x 610 | 90                                | 15.6  | 15.6   | ✓                    |
| <b>R2.2</b>                               | Pink® Batts® R2.2 Narrow Wall              | 7160243      | 1140 x 360 | 90                                | 9.0   | 11.2   | ✓                    |
| <b>R2.4</b>                               | Pink® Batts® Classic R2.4 Wall             | 7127124      | 1140 x 560 | 90                                | 10.2  | 12.1   | ✓                    |
| <b>R2.6</b>                               | Pink® Batts® Ultra® R2.6 Wall              | 7127126      | 1140 x 560 | 90                                | 9.6   | 11.3   | ✓                    |
| <b>R2.6</b>                               | Pink® Batts® Ultra® Steel R2.6 Wall        | 7160215      | 1220 x 610 | 90                                | 9.7   | 9.7  | ✓                    |
| <b>R2.6</b>                               | Pink® Batts® Ultra® R2.6 Narrow Wall       | 7160244      | 1140 x 360 | 90                                | 7.4   | 9.2  | ✓                    |
| <b>R2.8</b>                               | Pink® Batts® Ultra® R2.8 Wall              | 7127128      | 1140 x 560 | 90                                | 6.4   | 7.5  | ✓                    |
| <b>R2.8</b>                               | Pink® Batts® Ultra® R2.8 Narrow Wall       | 7160247      | 1140 x 360 | 90                                | 4.5   | 5.6  | ✓                    |
| <b>140mm Wall Range</b>                   |  |              |            |                                   |   |  |                      |
| <b>R3.2</b>                               | Pink® Batts® Ultra® R3.2 140mm Wall        | 7127132      | 1140 x 560 | 140                               | 9.6   | 11.3   | ✓                    |
| <b>R3.2</b>                               | Pink® Batts® Ultra® R3.2 140mm Narrow Wall | 7160245      | 1140 x 360 | 140                               | 7.0   | 8.6  | ✓                    |
| <b>R3.6</b>                               | Pink® Batts® Ultra® R3.6 140mm Wall        | 7127136      | 1140 x 560 | 140                               | 7.0   | 8.3  | ✓                    |
| <b>R4.0</b>                               | Pink® Batts® Ultra® R4.0 140mm Wall        | 7127140      | 1140 x 560 | 140                               | 5.1   | 6.0  | ✓                    |
| <b>R4.0</b>                               | Pink® Batts® Ultra® R4.0 140mm Narrow Wall | 7160246      | 1140 x 360 | 140                               | 4.1   | 5.0  | ✓                    |
| <b>ROOF and WALL - Thermal Insulation</b> |  |              |            |                                   |   |  |                      |
| <b>R2.4</b>                               | Pink® Batts® HandyPack R2.4 <sup>^</sup>   | 7200158      | 7000 x 580 | 90                                | 4.06  | -  |                      |

\* Coverage relates to standard structures (ie with framing allowance) therefore actual coverage may vary.

# For full details of the Pink® Batts® Lifetime Warranty visit [pinkbatts.co.nz/lifetime-warranty](http://pinkbatts.co.nz/lifetime-warranty).

<sup>^</sup> Product does not have the Pink® Batts® Lifetime Warranty or BRANZ Appraised Accreditation.

## Accreditations/Appraisals/Certifications



### DISTRIBUTED BY

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