

## Pink® Soundbreak™ High performance acoustic insulation

### Description

Pink® Soundbreak™ batts are made from high density, flexible and resilient glasswool, which is specifically designed to provide exceptional acoustic insulation performance of residential ceilings, walls and midfloors. Pink® Soundbreak™ batts are available in various sizes to fit standard timber and steel stud/joist spacings.

### Application

Pink® Soundbreak™ batts with its high nominal density of 24–26kg/m³ makes it ideal for reducing sound transfer through walls (both internal and external). Internal walls between theatre rooms, bathrooms, laundries and kitchens are just some of the areas where internal wall insulation could be beneficial. The high density also aids in achieving higher thermal R-values for external walls with limited cavity spaces. The Pink® Soundbreak™ batts insulation range is available in various thermal R-values and dimensions ensuring there is an effective and efficient product solution for all residential applications.

Pink® Soundbreak™ batts, renowned for their firmness, are low itch, easy to cut and friction fit standard studs/joists to make homes feel cooler in summer, warmer in winter and acoustically quiet all year round.

### Physical Characteristics

|      | 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 | Product Code |
|------|------------------------|----------------------|----------|-----------|----------------|-------------|----------------------|----------------|--------------|
| Wall | R1.7                   | 60                   | 430      | 1160      | 12             | 6.0         | 6.9                  | 5              | 902191       |
|      |                        |                      | 580      | 1160      | 12             | 8.1         | 9.1                  | 5              | 902192       |
|      | R2.0                   | 70                   | 430      | 1160      | 10             | 5.0         | 5.8                  | 5              | 902193       |
|      |                        |                      | 580      | 1160      | 10             | 6.7         | 7.6                  | 5              | 902194       |
|      |                        |                      | 600      | 1200      | 10             | 7.2         | 7.2                  | 5              | 902195       |
|      | R2.5                   | 90                   | 430      | 1160      | 8              | 4.0         | 4.5                  | 5              | 902196       |
|      |                        |                      | 580      | 1160      | 8              | 5.4         | 6.1                  | 5              | 902197       |
|      | R2.7                   | 90                   | 430      | 1160      | 8              | 4.0         | 4.5                  | 5              | 902198       |
|      |                        |                      | 580      | 1160      | 8              | 5.4         | 6.1                  | 5              | 902199       |
|      |                        |                      | 600      | 1200      | 8              | 5.8         | 5.8                  | 5              | 902200       |
| R3.1 | 110                    | 430                  | 1160     | 6         | 3.0            | 3.4         | 5                    | 902201         |              |
|      |                        | 580                  | 1160     | 6         | 4.0            | 4.5         | 5                    | 902202         |              |

## Physical Properties

| Property                    | Test Method/Standard   | Result   | Unit                |
|-----------------------------|--|--|---------------------|
| Maximum Service Temperature | ASTM C411/C447   | 350  | °C                  |
| Thermal Resistance          | AS/NZS 4859.1:2002   | Complies   | m <sup>2</sup> .K/W |
| Moisture Absorption         | When exposed to environmental conditions of 50°C and 95% relative humidity for four days | <0.2%  | % by volume         |
| pH                          | ASTM C871  | 9 (does not contribute to the corrosion of steel structures) | –                   |
| Density                     | ASTM C167  | 24-26  | Kg/m <sup>3</sup>   |

## Fire Hazard Properties

| Property              | Test Method/Standard | Result          |
|-----------------------|----------------------|-----------------|
| Combustibility        | AS1530.1:1994        | Non combustible |
| Ignitability Index    | AS/NZS 1530.3:1999   | 0               |
| Spread of Flame Index |                      | 0               |
| Heat Evolved Index    |                      | 0               |
| Smoke Developed Index |                      | 1               |
| BAL Compliance        | AS3959:2018          | Low – FZ        |

## Acoustic Performance

Pink® Soundbreak™ batts tested achieve the following Flow Resistivities when tested in accordance with ASTM C522-03.

| Thicknesses mm | 60  | 70  | 90  | 90  | 110 |
|----------------|-----|-----|-----|-----|-----|
| R-Value        | 1.7 | 2.0 | 2.5 | 2.7 | 3.1 |

| Property                                 | Test Method/Standard | Test Results |       |       |       |       | Unit    |
|--|----------------------|--------------|-------|-------|-------|-------|---------|
| Airflow resistance of acoustic materials | ASTM C522-03         | 10480        | 12860 | 11140 | 16001 | 12760 | Rayls/m |

## Health and Safety

Fletcher Insulation glasswool products are 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 insulation can be used with confidence in any residential, commercial or industrial 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 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.

## Technical Specification

When specifying, state the following:

The insulation material shall be Fletcher Insulation Pink® Soundbreak™ R \_\_\_\_\_ m<sup>2</sup>K/W (Material R-value) \_\_\_\_\_ (thickness) x \_\_\_\_\_ (width) x \_\_\_\_\_ (length) mm. Compliant with the thermal testing requirements of AS/NZS 4859.1:2002, and non-combustible according to AS1530.1:1994 (R2016).

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