

## Pink® Soundbreak™

### High performance acoustic insulation

#### Product description and typical applications

Pink® Soundbreak™ is specially designed to provide exceptional acoustic performance in residential buildings. The high-density composition of Pink® Soundbreak™ makes it the ideal solution for reducing sound transfer through walls, ceilings and between floors.

Installing Pink® Soundbreak™ in external walls and ceiling spaces limits the transfer of external nuisance noise into a home. Additionally, installation of Pink® Soundbreak™ in internal wall cavities and between floors will reduce sound transfer between rooms and through floors thus creating quieter living spaces.

With a nominal density range of 24 – 26kg/m<sup>3</sup>, Pink® Soundbreak™ provides the added benefit of remarkable thermal performance; this improves the energy efficiency of a home which in turn provides energy cost savings. Additionally, the products composition is the ideal method of achieving higher R-values with limited cavity allowance.

**Pink® Soundbreak™ acoustic insulation features a Next Generation formula that provides a softer feel for more comfortable handling.**

**NEXT  
GENERATION  
FORMULA**

**With a  
softer feel  
for more  
comfortable  
handling**

AS/NZS 4859.1:  
2002 - Including  
Amendment 1  
Materials for the  
Thermal Insulation of  
Buildings

Pink® Soundbreak™  
acoustic insulation  
complies with the Energy  
Efficiency provisions of  
the BCA for all types  
of thermal insulation to  
be certified by a NATA  
accredited organisation.



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#### Physical characteristics

Material R-value	Nominal Thickness mm	Product Code	Batt Size mm x mm	Batts Per Pack	m <sup>2</sup> Per Pack	Cover Per Pack m <sup>2</sup>
R1.7	60	902166	1160 x 430	10	5.0	5.8
		902167	1160 x 580		6.7	7.6
R2.0	70	902171	1160 x 430	8	4.0	4.5
		902172	1160 x 580		5.4	6.1
		902173	1200 x 600		5.8	6.6
R2.5	90	902176	1160 x 430	6	3.0	3.4
		902177	1160 x 580		4.0	4.7
R2.7	90	902185	1160 x 430	6	3.0	3.4
		902186	1160 x 580		4.0	4.7
		902187	1200 x 600		4.3	4.9
R3.1	110	902181	1160 x 430	5	2.5	2.8
		902182	1160 x 580		3.4	3.8

#### Acoustic performance

The National Construction Code (NCC) has adopted the Weighted Sound Reduction Index ( $R_w$ ) as a measure of the sound isolating properties of building elements. A wall system with a higher  $R_w$  rating isolates sound better than a wall system with a lower  $R_w$  rating. An increase of 10 points in an  $R_w$  rating indicates a doubling in perceived sound isolating performance.

Typically an internal wall on 90mm timber studs containing 13mm standard plasterboard on either side will achieve  $R_w$  32.

Adding Pink® Soundbreak™ acoustic insulation in this wall would typically enhance this wall system to  $R_w$  42. That is an increase of 10 points in  $R_w$  rating - a doubling in perceived sound isolating performance.

To further put this into context, consider the following:

- At  $R_w$  25 normal speech can be heard easily
- At  $R_w$  30 loud speech can be heard easily
- At  $R_w$  35 loud speech can be heard but not understood
- At  $R_w$  42 loud speech can be heard only as a murmur

Source: USG Boral Systems+ April 2015.

For further information relating to the acoustic performance of Pink® Soundbreak™ in various building applications, contact Fletcher Insulation Technical Services on 1300 654 444.

## Green Star compliant

Fletcher Insulation does not use Ozone Depleting Potential (ODP) substances in the manufacture or composition of its FBS-1 Glass Wool Bio-Soluble Insulation® and Sisalation® reflective foil products. Using insulation with an ODP of zero will accrue one Green Star point under the Insulant ODP Credit for eligible Green Star projects.

The use of Fletcher Insulation products guarantees the use of ODP free 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.

## AS1530.1-1994 Test for combustibility of materials

Testing conducted by CSIRO in accordance with AS1530 Part 1 concluded that Pink® Soundbreak™ acoustic insulation is non-combustible.

The National Construction Code (NCC) deemed to satisfy provisions require walls important to the structural integrity of commercial buildings to be constructed wholly of materials that are non-combustible. Fire rated walls between tenancies and common walls of multi-level apartment buildings must also be constructed wholly of materials that are non-combustible. The NCC states that if materials used in an assembly contain combustible components, then the assembly is combustible. Incorporating non-combustible Pink® Soundbreak™ acoustic insulation into wall systems allows builders to gain acoustic and thermal benefits while still complying with the NCC requirement to maintain structural integrity and for minimising risk to occupants from smoke inhalation and fire in Class 2 to 9 buildings.

## AS/NZS 1530.3-1999 Early fire hazard properties of materials

Pink® Soundbreak™ acoustic insulation exhibits the following characteristics when tested in accordance with AS1530.3.

Ignitability Index	0
Spread of Flame Index	0
Heat Evolved Index	0
Smoke Developed Index	0-1

## Moisture absorption

In the event of Pink® Soundbreak™ acoustic insulation becoming wet, it should be dried prior to installation to obtain maximum performance and prevent damage to other building elements. Pink® Soundbreak™ acoustic insulation absorbs less than 0.2% moisture by volume when exposed to environmental conditions of 50°C and 95% relative humidity for four days.

## Alkalinity

When tested in accordance with British Standard 3958, Fletcher Insulation glasswool products are slightly alkaline pH9 (neutral is pH7). They will not promote or accelerate the corrosion of steel or galvanised steel studs provided they are protected from external contamination.

## Maximum Service Temperature

Pink® Soundbreak™ acoustic insulation has a maximum service temperature of 340°C.

## Specification notes

State the following:

- Product name i.e. Pink® Soundbreak™ acoustic insulation
- Material R-value required and/or thickness required
- Joist or stud spacing
- Area involved.

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The production of environmentally sustainable FBS-1 Glasswool Bio-Soluble Insulation® utilises approximately 80% recycled waste glass.



Low Allergen content with the ability to moderate temperature changes.



Fletcher Insulation glasswool products are manufactured from FBS-1 Glasswool Bio-Soluble Insulation®. FBS-1 Glasswool Bio-Soluble Insulation® is not classified as hazardous according to the criteria of the Australian Safety and Compensation Council (formerly NOHSC), Approved Criteria for Classifying Hazardous Substances (NOHSC: 1008) 3rd Edition. Fletcher Insulation® glasswool is classified as safe to use, refer to our MSDS.



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**Insulation**  
Building Better, Together.