

## Technical Data Sheet

### Pink<sup>®</sup> SonoBatts<sup>®</sup>

Acoustic insulation for ceilings and walls

#### Product description and typical applications

Pink<sup>®</sup> SonoBatts<sup>®</sup> acoustic insulation (14 kg/m<sup>3</sup>), made from lightweight, flexible and resilient glasswool, are specially designed for quick installation into timber stud framing for residential buildings. Pink<sup>®</sup> SonoBatts<sup>®</sup> acoustic insulation are designed to give assurance of effective sound absorption and reduced noise transfer between rooms. They are a quality solution to achieving acoustic performance for partition walls between tenancies and bathrooms, as well as adding benefits of enhanced thermal comfort for building occupants.

Pink<sup>®</sup> SonoBatts<sup>®</sup> acoustic insulation features a Next Generation formula that provides a softer feel for more comfortable handling.

#### Physical characteristics

Nominal thickness mm	Nominal R-value m <sup>2</sup> k/w	Product code	Batt size mm	Batts per pack	Area per pack m <sup>2</sup>	Coverage per pack m <sup>2</sup>
50	R1.3	940243	1160 x 430	24	12.0	13.8
		940257	1160 x 580		16.1	18.3
		940260	1200 x 600		17.3	19.6
70	R1.7	940244	1160 x 430	16	8.0	9.2
		940258	1160 x 580		10.8	12.2
		940261	1200 x 600		11.5	13.0
90	R2.1	940245	1160 x 430	12	6.0	6.9
		940259	1160 x 580		8.1	9.2
		940262	1200 x 600		8.6	9.8

Product must be installed in accordance with manufacturer instructions - refer to back of pack or [www.insulation.com.au](http://www.insulation.com.au) for details.

#### Rw 42 Tested wall system

CSIRO acoustic testing laboratory has confirmed that the wall system consisting of 90mm timber stud at 600mm centres with one layer of 10mm standard plasterboard on each side and 90mm Pink<sup>®</sup> SonoBatts<sup>®</sup> acoustic insulation infill will achieve an Rw42. The same wall system without insulation achieved Rw34, representing a 8dB decrease in noise transmission with Pink<sup>®</sup> SonoBatts<sup>®</sup> acoustic insulation.

Using Insul Sound insulation prediction software, Fletcher Insulation<sup>®</sup> Technical Services is able to rapidly compare the noise transmission loss for different types of wall construction including concrete, brick, hebel, timber and steel with various types of wall linings and insulation infill to find out the optimum acoustic performance.

#### Green Star compliant

The Green Building Council of Australia (GBCA) strongly recommends third party validation of insulation products environmental merit by GECA - Good Environmental Choice Australia ([www.gbca.org.au](http://www.gbca.org.au)). GECA scientific research is based on function and overall environmental and human health in conformance to ISO14024. GECA certification provides a clear, credible guide to products that are sustainable and improve the quality of the environment.

**NEXT  
GENERATION  
FORMULA**

**Now with  
a softer feel  
for more  
comfortable  
handling**

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

Pink<sup>®</sup> SonoBatts<sup>®</sup> acoustic insulation comply with the Energy Efficiency provisions of the BCA for all types of thermal insulation to be certified by a NATA accredited organisation.



FLI-2007  
GECA 33-2007-  
BUILDING INSULATION



**PINK SONOBATTS**  
A sound investment



**Fletcher<sup>®</sup>  
Insulation**

**We safely deliver extraordinary  
value to our customers**

## AS1530.1 Test for combustibility of materials

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

The Building Code of Australia (BCA) 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 (FRL) walls between tenancies and common walls of multi-level apartment buildings must also be constructed wholly of materials that are non-combustible. The BCA states that if materials used in an assembly contain combustible components, then the assembly is combustible.

Incorporating non-combustible Pink® SonoBatts® acoustic insulation into wall systems allows builders to gain acoustic and thermal benefits while still complying with the BCA requirement to maintain structural integrity and for minimising risk to occupants from smoke inhalation and fire in Class 2 to 9 buildings.

## AS1530.3 Early fire hazard properties of materials

Pink® SonoBatts® acoustic insulation exhibit the following characteristics when tested in accordance with AS1530 Part 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® SonoBatts® acoustic insulation becoming wet, they should be dried prior to installation to obtain maximum performance and prevent damage to other building elements. Pink® SonoBatts® acoustic insulation absorb 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® SonoBatts® acoustic insulation have a maximum service temperature of 340°C.

## Specification notes

State the following:

- Product name - Pink® SonoBatts® acoustic insulation
- Material R-value required
- Joist or stud spacing
- Area involved.



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.



Fletcher  
Insulation®

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