

## Pink® SonoBatts® Premium

### Premium acoustic insulation

#### Product description and typical applications

Pink® SonoBatts® Premium acoustic insulation (32kg/m<sup>3</sup>), made from high density, resilient glasswool, are the superior range of sound control insulation. They are an ideal alternative to rockwool for timber framed wall cavities, ceiling overlays and between floors for use as sound absorbing materials for home theatres and in architectural acoustic applications such as partitions, screens and baffles. Pink® SonoBatts® Premium acoustic insulation are designed to provide optimum performance solutions to 'problem' acoustic applications, particularly when dealing with low frequency sounds. They also provide excellent thermal performance. The 100mm R3.0 product is an ideal solution for ceilings of homes under flight paths, combined with Permastop® Building Blanket under metal deck roofing.

#### 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	R1.5	940166	1160 x 430	12	6.0	6.9
		940165	1160 x 580	12	8.1	9.2
		940164	1200 x 600	12	8.6	9.8
70	R2.1	940170	1160 x 430	10	5.0	5.8
		940171	1160 x 580	10	6.7	7.6
		940192	1200 x 600	10	7.2	8.1
90	R2.7	940193	1160 x 430	8	4.0	4.5
		940194	1160 x 580	8	5.4	6.1
		941403	1200 x 600	8	5.8	6.6
100	R3.0	941104	1160 x 430	6	3.0	3.4
		940283	1160 x 580	6	4.0	4.7
		941106	1200 x 600	6	4.3	4.9

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

Pink® SonoBatts® Premium 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.



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FLI-2007  
GECA 33-2007-  
BUILDING INSULATION



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

#### Rw 43 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® SonoBatts® Premium acoustic insulation infill will achieve an Rw43. The same wall system without insulation achieved Rw34, representing a 9dB decrease in noise transmission with Pink® SonoBatts® Premium acoustic insulation.

Using Insul Sound insulation prediction software, Fletcher Insulation® Technical Services are 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.

## AS1530.1 Test for combustibility of materials

Testing conducted by CSIRO in accordance with AS1530 Part 1 concluded that Pink® SonoBatts® Premium 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 noncombustible. Fire rated (FRL) walls between tenancies and common walls of multi-level apartment buildings also must 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® Premium 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® Premium 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® Premium acoustic insulation becoming wet, they should be dried prior to installation to obtain maximum performance and prevent damage to other building elements. Pink® SonoBatts® Premium 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® Premium acoustic insulation have a maximum service temperature of 340°C.

## Specification notes

State the following:

- Product name - Pink® SonoBatts® Premium 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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