

Pink Batts Silencer™

Thermal insulation for ceiling and walls

Product description and typical applications

Pink Batts Silencer™ are made from lightweight, flexible and resilient glasswool (sometimes referred to as mineral wool), specially designed for quick installation to timber stud framing for commercial and residential buildings. *Pink Batts Silencer*, with a nominal density of 14Kg/m³ are designed to give assurance of effective sound absorption and reduced noise transfer between rooms. *Pink Batts Silencer* is 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.

Physical characteristics

Nominal R-value (m ² k/w)	Batt Size (mm)	Nominal Thickness (mm)	Batts Per Pack	Area Per Pack (m ²)	Coverage Per Pack (m ²)
R1.3	1160 x 430	50	16	8.0	9.2
	1160 x 580	50	16	10.8	12.2
	1200 x 600	50	16	11.5	13.1
R1.7	1160 x 430	70	10	5.0	5.7
	1160 x 580	70	10	6.7	7.6
	1200 x 600	70	10	7.2	8.2
R2.1	1160 x 430	90	8	4.0	4.5
	1160 x 580	90	8	5.4	6.1
	1200 x 600	90	8	5.8	6.5

Product must be installed in accordance to manufacturer instructions - refer to back of pack or www.insulation.com.au for details.

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

Pink Batts Silencer 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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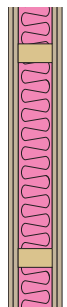
FLI - 2007
GECA 33-2007 - Building Insulation
www.geca.org.au
Environmental Choice Australia
Certified Product



Rw 45 Tested wall system

CSIRO acoustic testing laboratory has confirmed that the wall system consisting of 90mm timber stud at 600mm centres with two layers of 10mm standard plasterboard on each side and 90mm *Pink Batts Silencer* infill will achieve an Rw45.

Using Acousti-Max 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). All GECA certified products automatically achieve 100% product score in the Green Star calculators. 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.

Fletcher Insulation is committed to providing environmentally sustainable products. *Fletcher Insulation* products have Zero Ozone Depleting Potential in both manufacture and composition, complying with the GreenStar Insulant ODP Emissions credit requirement. Air quality is maintained with total Volatile Organic Compound (VOC) emissions below quantifiable levels.

AS1530.1 Test for combustibility of materials

Testing conducted by CSIRO in accordance with AS1530 Part 1 concluded that *Pink Batts Silencer* are non-combustible.

The 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 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 Batts Silencer* into wall systems allows builders to gain acoustic and thermal benefits while still complying with the BCA requirement to maintain structural integrity and for minimizing risk to occupants from smoke inhalation and fire in Class 2 to 9 buildings.

AS1530.3 Early fire hazard properties of materials

Pink Batts Silencer 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 resistance

In the event of *Pink Batts Silencer* becoming wet, they should be dried prior to installation to obtain maximum performance and prevent damage to other building elements. *Pink Batts Silencer* 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

Fletcher Insulation Pink Batts Silencer have a maximum service temperature of 340°C.

Specification notes

State the following:

- Product name - *Pink Batts Silencer*
- Material R-Value required
- Joist or stud spacing
- Area involved.

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NOTE: Fletcher Insulation Pty. Limited. reserves the right to change product specifications without prior notification. Information in this Publication and otherwise supplied to users as to the subject product is based on our general experience and is given in good faith, but Because of the many particular factors which are outside our knowledge and control and affect the use of products, no warranty is given Or is to be implied with respect to either such information or the product itself, in particular the suitability of the product for any particular purpose. The purchaser should independently determine the suitability of the product for the intended application.

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The production of environmentally sustainable FBS-1 Glasswool Bio-Soluble Insulation utilizes approximately 70% recycled waste glass.



Low Allergen content with the ability to moderate temperature changes.



Fletcher Insulation glasswool products are manufactured from FBS-1 Bio-Soluble Glass WoolTM. FBS-1 Bio-Soluble Glass WoolTM 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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