

PINK BATTS® SILENCER™

Acoustic Insulation for Walls and Floors

PRODUCT DESCRIPTION AND TYPICAL APPLICATIONS

Pink Batts® Silencer™ delivers excellent acoustic performance for commercial and domestic applications. They are ideal for installation in metal and timber stud wall systems and as an infill between upper floors and ceilings. Typical applications include

ceilings and partitions in schools, churches, shopping centres, factories or offices where the available range of sizes up to 2700mm enables extremely cost effective installations with a minimum of cutting and joining.

PHYSICAL CHARACTERISTICS

Material R-value (m ² k/w)	Batt Size* (mm)	Thickness (mm)	Batts Per Pack	Area Per Pack (m ²)
R1.3	1160 x 430	50	16	8.0
	1200 x 600	50	16	11.5
	2700 x 600	50	12	19.4
R1.8	1160 x 430	75	10	5.0
	1200 x 600	75	10	7.2
	2700 x 600	75	12	19.4
R2.3	1160 x 430	100	8	4.0
	1200 x 600	100	8	5.8

*NOTE: not all sizes are stocked in all locations.

EARLY FIRE HAZARD RATING

Pink Batts Silencer are non-combustible in accordance with AS1530.1. When tested in accordance with AS1530 Part 3 - "Early Hazard properties of Materials", Fletcher Insulation™ Pink Batts Silencer exhibits the following characteristics. Tests conducted by AWTA.

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

SPECIFICATION NOTES

State the following:

- Product Name: *Pink Batts Silencer*
- Thickness required or Rw of partition required.

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.

BUILDING CODE OF AUSTRALIA (BCA)



The Energy Efficiency provisions of the BCA requires that all insulation complies with the requirements of the Australian/New Zealand standard AS/NZS 4859.1 - Materials for the thermal insulation of buildings. AS/NZS 4859.1 specifies testing and labelling requirements for all types of insulation incorporated into the

building envelope and it's services. The thermal resistance (R-value) shown on all labelling must be determined by a recognised laboratory, accredited to test to the relevant standards and procedures. All applicable *Fletcher Insulation* products are independently certified by an accredited organisation to comply with AS/NZS 4859.1.

ACOUSTIC PERFORMANCE

Rw (Weighted Sound Reduction Index) is a term used to measure airborne sound transmission loss through a building element. The inclusion of *Pink Batts Silencer* into a wall or ceiling cavity

increases the Rw by up to 8, depending on the type of system. Contact *Fletcher Insulation* for an accurate acoustic prediction of standard wall or ceiling systems using Acousti Max software.

Rw of various Partition Wall Systems	Thickness (mm)	Rw
(a) 64mm Steel Studs with two layers of Boral Firestop™ 13mm Plasterboard both sides	50	50
(b) 92mm track with 64mm staggered Steel Studs and two layers of Boral Firestop 13mm Plasterboard both sides	50	56

Test were conducted in accordance with Australian Standards AS1191-1985 in a NATA registered laboratory.

PINK BATTS® SILENCER™

Acoustic Insulation for Walls and Floors

Fletcher[™]
Insulation

CEILING ATTENUATION CLASS (CAC)

The effectiveness of insulation materials in reducing room to room sound transmission is measured by Ceiling Attenuation Class (CAC). The higher the figure the lower the level of sound

transmitted. The following table shows some CAC ratings for ceilings with *Pink Batts Silencer* overlayed on ceiling panels and plasterboard.

Ceiling System	CAC
17mm Sonocoustic™ Ceiling Panels - no overlay	24
17mm Sonocoustic + 50mm Pink Batts Silencer overlay	33
17mm Sonocoustic + 75mm Pink Batts Silencer overlay	39
13mm Plasterboard + 50mm Pink Batts Silencer overlay	41

Tests were conducted in accordance with Australian Standards AS2499-1981 in a NATA registered laboratory.

BUILDING CODE OF AUSTRALIA (BCA)



The Energy Efficiency provisions of the BCA requires that all insulation complies with the requirements of the Australian/New Zealand standard AS/NZS 4859.1 - Materials for the thermal insulation of buildings. AS/NZS 4859.1 specifies testing and labelling requirements for all types of insulation incorporated into the building envelope and it's services. The thermal resistance (R-value) shown on all labelling must be

determined by a recognised laboratory, accredited to test to the relevant standards and procedures. All applicable *Fletcher Insulation* products are independently certified by an accredited organisation to comply with AS/NZS 4859.1. Part F5 of the Building Code of Australia 1996 (Class 2- Class B Buildings) sets out minimum requirements for Sound Transmission in Sole Occupancy units. These are as follows, with walls systems that deliver these requirements.

BCA Requirement	Wall System	Rw
Walls between units shall have a minimum Rw of 45	Batts 50mm thick when installed in a wall system with 94mm steel stud and one layer of 13mm <i>Boral Firestop</i> plasterboard either side	48
Walls between a bathroom, sanitary compartment, laundry or kitchen and a habitable room in an adjoining unit shall have an Rw of not less than 50 and have impact resistance	Batts 50mm thick when installed in a wall system with two layers of <i>Boral Firestop</i> plasterboard each side of 70x35mm staggered timber studs. Complies with Section P5.5 Part b of the Building Code	52

BIO-SOLUBILITY

Fletcher Insulation glasswool products are manufactured from FBS-1 Bio-Soluble Glass Wool™. FBS-1 Bio-Soluble Glass Wool™ is classified as non-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.



SUSTAINABILITY

Sustainability...measures that satisfy the needs of people today while enhancing the quality of life for future generations. The demands on non-renewable resources for the production of energy are not sustainable without compromising the environment. Insulation, correctly specified and installed, is one of the most critical products in improving energy efficiency and reducing the levels of greenhouse gas emissions. Fletcher

Insulation is committed to providing environmentally sustainable products and utilises up to 70% recycled waste glass in the production of glasswool insulation. *Fletcher Insulation* products comply with the GreenStar Insulant ODP Emissions credit requirement, avoiding the use of ozone depleting substances in both manufacture and composition.

Freecall: 1800 000 878

Email: info@insulation.com.au Web: www.insulation.com.au

Note: *Fletcher Insulation* (Vic) Pty. Ltd. 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.

Fletcher Insulation (Vic) Pty. Ltd. trading as *Fletcher Insulation* ABN 15 083 169 402

™Trademarks of *Fletcher Insulation*.

™FBS-1 Bio-Soluble Glass Wool is a trademark used under licence by *Fletcher Insulation*.

©Copyright 2007 YPA/6840/APRIL07



TECHNICAL DATA SHEET