

TECHNICAL DATA SHEET

PINK® SOUNDBREAK™ HIGH PERFORMANCE ACOUSTIC INSULATION

Product description and typical applications

Pink® Soundbreak™ is specially designed to provide exceptional acoustic performance in residential building applications. The high-density composition of Pink® Soundbreak™ makes it the ideal solution for reducing sound transfer through walls (both internal and external), ceilings and between floors, thus allowing for quieter home environments.

With a nominal density range of 24 – 26kg/m³, Pink® Soundbreak™ acoustic insulation provides the added benefit of remarkable thermal performance; this improves the energy efficiency of a home which in turn provides energy cost savings. The high density composition of Pink® Soundbreak™ makes it the ideal solution for achieving higher R-values within limited cavity spaces.

Pink® Soundbreak™ acoustic insulation is renowned for its firmness, making it easy to install between standard stud spacings – both timber and steel - ensuring it remains in place for ongoing acoustic and thermal performance. Moreover, thanks to advances in formulation, Pink® Soundbreak™ is low itch - making it comfortable to handle during installation.

Physical characteristics

Material R-value m ² K/W	Nominal thickness mm	Width mm	Length mm	Batts per pack	m ² per pack	Coverage per pack m ²	Packs per bale	Product code
R1.7	60	430	1160	12	5.99	6.9	5	902191
		580	1160		8.07	9.1		902192
R2.0	70	430	1160	10	4.99	5.6	5	902193
		580	1160		6.73	7.6		902194
		600	1200		7.20	7.2		902195
R2.5	90	430	1160	8	3.99	4.5	5	902196
		580	1160		5.38	6.1		902197
R2.7	90	430	1160	8	3.99	4.5	5	902198
		580	1160		5.38	6.1		902199
		600	1200		5.76	5.8		902200
R3.1	110	430	1160	6	2.99	3.4	5	902201
		580	1160		4.04	4.5		902202

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. Incorporating Pink® Soundbreak™ acoustic insulation within the stud cavity will typically enhance the performance of this system to R_w 42. That is an increase of 10 points in R_w rating - a doubling in perceived sound isolating performance.

To put this into context further, 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's Technical Support team on 1300 654 444.



FLI-2007
GECA 33-2007-
BUILDING INSULATION



For Total R-value guidance visit:
WWW.INSULATION.COM.AU/FLETCHERSPECPRO

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Thermal performance

Pink® Soundbreak™ complies with the requirements of AS/NZS 4859.1:2002 including Amendment 1. The thermal performance of Pink® Soundbreak™ varies with application and installation method. For complete Total R-value guidance visit www.insulation.com.au/fletcherspecpro

Combustibility

Pink® Soundbreak™ is classified as non-combustible in accordance with AS 1530.1 – 1994.

Early fire hazard properties

Pink® Soundbreak™ achieves the following results when tested in accordance with AS1530.3-1999:

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

Moisture absorption

Pink® Soundbreak™ absorbs less than 0.2% moisture by volume when exposed to environmental conditions of 50°C and 95% relative humidity for four days.

Safe to use

Pink® Soundbreak™ is manufactured from FBS-1 Glasswool Bio-Soluble Insulation®. FBS-1 Glasswool Bio-Soluble Insulation® is safe to use and meets the criteria of the Australian Safety and Compensation Council (formerly NOHSC) to be classified as non-hazardous. Fletcher Insulation™ glasswool can be used with confidence in any residential, commercial or industrial application.

Good Environmental Choice Australia (GECA)

Pink® Soundbreak™ has been awarded the GECA Ecolabel. For customers and manufacturers, the Ecolabel assures recognition, credibility, trust and reduced environmental impact.

The Green Building Council of Australia (GBCA) has recognised five of GECA's standards as compliant under its new Product Certification Scheme. This means products certified against those standards are entitled to claim 100% of available points for all Green Star projects.

Green Star compliant

Fletcher Insulation avoids the use of Ozone Depleting Potential (ODP) substances in the manufacture or composition of its FBS-1 Glasswool Bio-Soluble Insulation® and Sisalation® reflective foil products.

The use of Pink® Soundbreak™ guarantees the use of Zero ODP insulation while also ensuring that no harmful levels of Volatile Organic Compounds (VOC's) are released. This allows the incorporation of environmentally preferable insulation whilst also maintaining indoor air quality.

Alkalinity

When tested in accordance with British Standard 3958, Fletcher Insulation™ glasswool products receive a rating of pH9 (pH7 is neutral). The thermal insulation 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™ has a maximum service temperature of 340°C.

Specification notes

The insulation material shall be Fletcher Insulation Pink® Soundbreak™ R _____ m² K/W _____ x _____ x _____ mm (specify Material R-value, width, length, thickness).

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