

PINK® SOUNDBREAK™ **HIGH PERFORMANCE ACOUSTIC INSULATION**

Description

Pink® Soundbreak™ batts are made from high density, flexible and resilient glasswool, which is specifically designed to provide exceptional acoustic insulation performance of residential ceilings, walls and midfloors. Pink® Soundbreak™ batts are available in various sizes to fit standard timber and steel stud/joist spacings.

Application

Pink® Soundbreak™ batts with its high nominal density of 24–26kg/m³ makes it ideal for reducing sound transfer through walls (both internal and external). Internal walls between theatre rooms, bathrooms, laundries and kitchens are just some of the areas where internal wall insulation could be beneficial. The high density also aids in achieving higher thermal R-values for external walls with limited cavity spaces. The Pink® Soundbreak™ batts insulation range is available in various thermal R-values and dimensions ensuring there is an effective and efficient product solution for all residential applications.

Pink® Soundbreak™ batts, renowned for their firmness, are low itch, easy to cut and friction fit standard studs/joists to make homes feel cooler in summer, warmer in winter and acoustically quiet all year round.

Features and Benefits

Higher density glasswool batts	Helps to reduce sound transfer through external and internal walls to improve acoustics in a home.
Achieves higher thermal R-Values with a lower batt thickness	Provides thermal comfort for buildings with a smaller or limited cavity space.
Firm and easy to cut and install	Will friction fit firmly in place between wall studs and joists to deliver high performance thermal and acoustic efficiency.

Product Data

Material R-value m²K/W	Nominal Thickness mm	Width mm	Length mm	Batts per pack	m² per pack	Coverage per pack m²	Packs per Bale	Product Code
R1.7	60	430	1160	12	6.0	6.9	5	902191
		580	1160	12	8.1	9.1	5	902192
R2.0	70	430	1160	10	5.0	5.8	5	902193
		580	1160	10	6.7	7.6	5	902194
		600	1200	10	7.2	7.2	5	902195
R2.5	90	430	1160	8	4.0	4.5	5	902196
		580	1160	8	5.4	6.1	5	902197
R2.7	90	430	1160	8	4.0	4.5	5	902198
		580	1160	8	5.4	6.1	5	902199
		600	1200	8	5.6	5.8	5	902200
R3.1	110	430	1160	6	3.0	3.4	5	902201
		580	1160	6	4.0	4.5	5	902202

Physical Properties

Property	Test Method/Standard	Result	Unit
Maximum Service Temperature	EN14706	340	°C
Thermal Conductivity	AS/NZS 4859.1	Complies	W/m.K
Moisture Absorption	When exposed to environmental conditions of 50°C and 95% relative humidity for four days	<0.2%	% by volume
pH	BS 3958	9 (does not contribute to the corrosion of steel structures)	–
Density	ASTM C167	24-26	Kg/m ³

Fire Hazard Properties

Pink® Soundbreak™ batts exhibit the following characteristics when tested in accordance with the following standards:

Property	Test Method/Standard	Result
Combustibility	AS/NZS 1530.1	Non-combustible
Early Fire Hazard Indices	AS/NZS 1530.3	0 0 0 0-1
Ignitability Index		
Spread of Flame Index		
Heat Evolved Index		
Smoked Developed Index		
BAL Compliance	AS 3959	Low-FZ

Acoustic Performance

Sound Absorption

Pink® Soundbreak™ batts tested achieve the following sound absorption coefficients when tested in accordance with AS ISO 354.

Material R-Value	Thickness mm	Sound Absorption Coefficients at Frequencies (Hz) of:										NRC	α _w
		100	125	250	500	1000	2000	3150	4000	5000			
R2.0	70	0.26	0.23	1.03	1.11	1.07	1.04	1.08	1.02	1.06	1.05	1.00	
R2.5	90	0.36	0.39	1.18	1.11	1.05	1.09	1.06	1.08	1.09	1.1	1.00	
R2.7	90	0.38	0.4	1.16	1.1	1.05	1.07	1.08	1.08	1.06	1.1	1.00	
R3.1	110	0.43	0.63	1.21	1.13	1.1	1.08	1.05	1.09	1.11	1.15	1.00	

Flow Resistivity

Pink® Soundbreak™ batts tested achieve the following Flow Resistivities when tested in accordance with ASTM C522-03.

Property	Test Method/Standard	Test Results					Unit	
		Thicknesses mm	60	70	90	90		110
Airflow resistance of acoustic materials	ASTM C522-03	R-Value	1.7	2.0	2.5	2.7	3.1	Rayls/m

Health and Safety

Fletcher Insulation glasswool products are 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 insulation can be used with confidence in any residential, commercial or industrial application.

For more information call 1300 654 444
email info@insulation.com.au or web www.insulation.com.au



Environmental Properties

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 these Fletcher Insulation products guarantees the use of Zero ODP insulation while also ensuring that no harmful levels of Volatile Organic Compounds (VOCs) are released. This allows the incorporation of environmentally preferable insulation whilst also maintaining indoor air quality.

Technical Specification

When specifying, state the following:

The insulation material shall be Fletcher Insulation Pink® Soundbreak™ R _____ m²K/W (Material R-value) _____ (thickness) x _____ (width) x _____ (length) mm. Compliant with the thermal testing requirements of AS/NZS 4859.1, and non-combustible according to AS1530.1 (R2016).

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