

Pink® Soundbreak™

High performance non-combustible acoustic glasswool 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, with green dye added for easier identification when installed.

Application

Pink® Soundbreak™ batts with its high nominal density of 24–32kg/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.

Product limitations of use

- Not to be used/exposed to weather in any condition including prior, during and after installation
- Check the plasterboard ceiling manufacturers guide for any weight limitations on ceilings
- This product cannot be used as a water or vapour barrier
- Modifications not permissible, as suitability and/or compliance may be compromised
- Product needs to be allowed to fully recover before and after use (cannot be used crushed)

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.
Codemark certified	→	Assurance that product meets energy efficiency provisions of the National Construction Code (NCC).

Product data

Material R-value m ² K/M	Nominal thickness mm	Width mm	Length mm	No. of batts per pack	m ² per pack	Coverage per pack m ²	No. of packs per bale	Product code	New product code (Dec 2023)	Product code	New product code (Dec 2023)	
									Pink® coloured product		Green coloured product	
R1.7	60	430	1160	12	5.99	6.9	5	902191	4006059	902291	4010564	
		580	1160	12	8.07	9.1	5	902192	4006060	902292	4010565	
R2.0	70	430	1160	10	4.99	5.6	5	902193	4006061	902293	4010566	
		580	1160	10	6.73	7.6	5	902194	4006062	902294	4010567	
R2.5	90	430	1160	8	3.99	4.5	5	902196	4006064	902296	4010568	
		580	1160	8	5.38	6.1	5	902197	4006065	902297	4010569	
R2.7	90	430	1160	8	3.99	4.5	5	902198	4006066	902298	4010570	
		580	1160	8	5.38	6.1	5	902199	4006067	902299	4010571	
		600	1200	8	5.76	5.8	5	902200	4006068	902300	4010572	
R3.1	110	430	1160	6	2.99	3.4	5	902201	4006000	902301	4010573	
		580	1160	6	4.04	4.5	5	902202	4006001	902302	4010574	

Physical properties

Properties	Test method/standard	Result	Unit
Maximum Service Temperature	ASTM C411/C447	340	°C
Thermal Conductivity	AS/NZS 4859.1	Complies	W/m.K
Moisture Absorption	ASTM C1104	<0.2%	% by volume
Fungi Resistance of Insulation Materials	ASTM C1338-14	Pass (No growth)	-

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

Compliance NCC 2019

When correctly specified and installed, the product complies or assists to comply with below NCC clauses and relevant standards.

- Complies with AS/NZS 4859.1 as referenced in NCC 2019, Volume 1 Clause J1.2(a) and NCC 2019, Volume 2 Clause 3.12.1.1.
- Thickness and density specifications cover the requirements of the Acceptable forms of Construction for sound insulation according to NCC 2019 Volume 1, Specification F5.2 and NCC 2019 Volume 2, 3.8.6.1.
- Classified as Non-Combustible according to AS 1530.1, therefore complies with the requirements of NCC Volume 1 C1.9(a) and, wherever a non-combustible insulation material is required according to NCC 2019 Volume 2.
- When tested to AS/NZS 1530.3 this product does not exceed the 'Spread of Flame' or 'Smoke Developed' indices as required by NCC 2019 Volume 1, Clause C1.10 (ix) and Specification C1.10 Clause 7 for insulation materials.
- Complies with the requirements of AS3959 Bushfire Attack Level Low-FZ in walls, floors and ceilings.
- Complies with all state variations to the NCC 2019.

Compliance NCC 2022

When correctly specified and installed, the product complies or assists to comply with below NCC clauses and relevant standards.

- Complies with AS/NZS 4859.1 as referenced in NCC 2022 Volume 1 J4D3(1) and ABCB Housing Provisions section 3.12.2(1).
- Thickness and density specifications cover the requirements of the Acceptable forms of Construction for sound insulation according to NCC 2022 Volume 1, Specification 28 and NCC 2022 Volume 2, ABCB Housing Provisions Part 10.7.
- Classified as non-combustible according to AS 1530.1, therefore complies with the requirements of NCC Clause C2D10 (1.) and wherever a non-combustible insulation material is required according to NCC 2022 Volume 2.
- When tested to AS/NZS 1530.3 this product does not exceed the 'Spread of Flame' or 'Smoke Developed' indices as required by NCC Clause C2D11 (1)(i) and Specification S7C7 for insulation materials other than sarking material.

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	Nominal thickness mm	Sound absorption coefficients at frequencies (Hz) of:										NRC	αw
		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.

Property	Test method/standard	Thicknesses mm					Unit
		60	70	90	90	110	
Airflow resistance of acoustic materials	ASTM C522	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®. Refer to Fletcher Insulation SUIIS for more information.

Environmental properties

Pink® Soundbreak™ batts are manufactured from up to 80% recycled content which would otherwise go into landfill and be unsuitable for alternative manufacturing processes.

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 provides 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.

Maintenance and conditions of use

- Product should be kept dry, not to be exposed to weather in any condition including prior, during and after installation.
- Product needs to be correctly installed in the right stud width and depth.
- Product should be installed without compression to keep its claimed R-value.
- If used with any other products except Sisalation®, confirmation of suitability must be reviewed
- When product is installed as per the product installation guidelines, no further maintenance is required for this product.

Technical specification

When specifying, please 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).

The following performance attributes must be specified:

- Product must be FBS-1 Biosoluble.
- Product must recover to the requirements of AS/NZS 4859.1.
- Where sound performance is required for the project, Sound Absorption level shall be _____.

Installation instructions

For the correct installation method, follow the Installation Guidelines available from insulation.com.au

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