



## DESCRIPTION

NoiseBreak™ acoustic batts, is a high performance acoustic insulation manufactured by PGF Insulation. It is designed to provide excellent sound comfort to your homes and offices.

Our NoiseBreak™ range consists of various thicknesses and dimensions to suit typical timber or steel framed studs, satisfying a broad spectrum of building requirements.

## APPLICATION

NoiseBreak™ is a high density acoustic insulation specially engineered to integrate with walls for residential and commercial use. The premium performance from NoiseBreak™ will provide the user with a plush living condition by reducing loud noises to a comfortable level. Whether the internal walls are separating a bedroom from a bathroom; living area from an entertainment room, they need to function at a defined and accepted acoustic level.

## FEATURES

- Excellent acoustic and thermal performance
- Firm friction fit and soft to touch
- Hypoallergenic
- Eco-friendly product
- Non-combustible

## SENSITOUCH TECHNOLOGY

Formaldehyde has traditionally been used as part of the binder in glass mineral wool insulation. Although there is no health risk with the traditional product, formaldehyde at a higher level may cause irritation and sensitivity. NoiseBreak™ utilises SensiTouch Technology, this innovative new binder incorporates a natural anti-formaldehyde ingredient and is low in volatile organic compounds, making for a safer and more pleasant installation process.



## HEALTH AND SAFETY

NoiseBreak™ is manufactured using bio-soluble formulation. Bio-soluble fibers have been extensively researched and shown to pose no long term health risks. PGF Insulation has assessed against the National Occupational Health and Safety Commission (NOHSC) approved criteria for classifying hazardous substances NOHSC:1008 (2004) and NoiseBreak™ insulation is not classified as hazardous.



## PHYSICAL PROPERTIES

Thermal Resistance (m <sup>2</sup> .K/W)	Certified	AS/NZS 4859.1:2018
Thermal Conductivity (W/mK)	23°C mean temperature	ASTM C518
Fire Hazard	<ul style="list-style-type: none"> <li>▪ Ignitability : 0</li> <li>▪ Spread of Flame : 0</li> <li>▪ Heat Evolved : 0</li> <li>▪ Smoke Developed : 0-1</li> </ul>	AS/NZS 1530 Part 3
Non Combustibility	Non-Combustible	AS 1530 Part 1
VOC	Low	ASTM D5116-06
Corrosiveness	pH 9	Does not contribute to corrosion
Water Vapor Absorption	≤ 2%	ASTM C1104
Mould Growth	Does not encourage growth of mould, fungus, bacteria or rodents	ASTM C1338-08

## PRODUCT RANGE

	R-Value (m <sup>2</sup> K/W)	Thickness (mm)	Length (m)	Width (mm)	Pieces Per Pack
Timber frame	R1.7	60	1.16	430/580	13
	R2.0	70	1.16	430/580	10
	R2.5	90	1.16	430/580	9
	R2.7	90	1.16	430/580	8/7
	R3.1	110	1.16	430/580	7
Steel frame	R2.0	70	1.2	600	10
	R2.7	90	1.2	600	7

### ACOUSTIC PERFORMANCE

Rw / STC rating is a measure of the effectiveness of noise reduction in different type of construction. Essentially, the higher the Rw / STC rating, the more noise is absorbed thus providing you with a quieter space.

NoiseBreak™ is available in various R-Values and thicknesses. The comparison table below shows the difference in performance for a typical 90mm timber studs construction. To achieve optimum noise reductions, use NoiseBreak™ R2.7 with sound resistant plasterboard and resilient isolation clip.

#### Sound Insulation Performance

Type of construction	Rw 28	Rw 39	Rw 56
	90mm Timber Studs	90mm Timber Studs	90mm Timber Studs
	No Insulation	NoiseBreak™ R2.0	NoiseBreak™ R2.7
	13mm Plasterboard	13mm Plasterboard	13mm Sound Resistant Plaster board
	Nil	Nil	Resilient Isolation Clip

NoiseBreak™ will contribute to compliance with the Building Code of Australia (BCA) requirements.

### SAMPLE OF SPECIFICATION

The insulation material shall be NoiseBreak™ having a material R-value; R\_\_\_\_(specify R-Value) at thickness \_\_\_\_ (mm) as manufactured by PGF Insulation. For installation specification refer to the relevant PGF Insulation installation guideline.

For further technical advice  
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Find out more: Proudly Manufactured by:



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