

# ACOUSTIC PREMIER GLASSWOOL

Premier Glasswool Acoustic Insulation is a resin bonded spun fibrous thermal insulating material made from up to 80 per cent recycled glass for use in framed walls to reduce sound transmission. Premier Insulation is available in blanket form and segments, is lightweight, soft to touch and is cost effective saving you energy and meets the requirements of the New Zealand Building Code NZBC HI.

PRODUCT R-VALUE		Size (mm)	Thickness (mm)	M2	STC		
Premier Glasswool Acoustic Blanket	R1.8	1200 x 15m	75mm	18.0	42		✓
Premier Glasswool Acoustic Blanket	R2.2	1200 x 13m	90mm	15.6	44		✓
Premier Glasswool Acoustic Blanket	R2.4	1200 x 13m	90mm	12.0	44		✓
Premier Glasswool Acoustic Blanket	R2.6	1200 x 7m	90mm	8.4	44	✓	✓
Premier Glasswool Acoustic Blanket	R2.8	1200 x 5m	90mm	6.0	46	✓	✓
Premier Glasswool Acoustic Segments	R2.6	1200 x 580mm	90mm	9.7	44	✓	✓
Premier Glasswool Acoustic Segments	R2.8	1200 x 580mm	90mm	7.0	46	✓	✓

Premier Glasswool Insulation has been appraised by BRANZ a thermal insulating material for framed or part framed walls in residential and commercial buildings. Appraisal No. 590 (2014).

Premier Acoustic Insulation has been created to maximise sound to control reverberation and airborne noise in commercial and residential application. Our acoustic blankets are ideal for use in offices, retail developments, swimming pools and auditoriums and residential intertenancy walls.

The acoustic results were completed by Auckland University (Auckland UniServices Limited). The NRC tests were tested in accordance to ISO 354. Test results are available on request.

STC testing were done using 90mm x 45mm timber studs nailed at 600mm centres R2.2 Premier Insulation and a single layer of 10mm Gib in accordance to ISO 140-3.

Premier Insulation is an acceptable solution for reducing noise in terms of the New Zealand Building Code compliance AS/NZS 4859.1 so can be specified with confidence.

PRODUCT R-VALUE		Size (mm)	Thickness (mm)	M2	NRC		
Premier Glasswool Acoustic Blanket	R1.8	1200 x 15m	75mm	18.0	0.90		✓
Premier Glasswool Acoustic Blanket	R2.2	1200 x 13m	90mm	15.6	0.95		✓
Premier Glasswool Acoustic Blanket	R2.4	1200 x 10m	90mm	12.0	1.05		✓
Premier Glasswool Acoustic Blanket	R2.6	1200 x 7m	90mm	8.4	1.05	✓	✓
Premier Glasswool Acoustic Blanket	R2.8	1200 x 5m	90mm	6.0	1.05	✓	✓
Premier Glasswool Acoustic Segments	R2.6	1200 x 580mm	90mm	9.7	1.05	✓	✓
Premier Glasswool Acoustic Segments	R2.8	1200 x 580mm	90mm	7.0	1.05	✓	✓
Premier Glasswool Skillion Acoustic Blanket	R3.6	1200 x 6.5m	140mm	7.8	1.10	✓	✓
Premier Glasswool Skillion Acoustic Segment	R4.0	1200 x 0.58m	140mm	5.6	1.10	✓	✓

## ENVIRONMENTAL CHOICE

Initiated and endorsed by the New Zealand Government, Environmental Choice recognises the genuine moves made by manufacturers to reduce the environmental impacts of their products.

Further information regarding acoustic testing, BRANZ appraisals material safety data - refer MDS section of catalogue.



Cert.TM  
2517147

projects@premierinsulation.co.nz

**Premier offers a full installation service nationwide**

**0800 467 855**

[www.premierinsulation.co.nz](http://www.premierinsulation.co.nz)

## PREMIER GLASSWOOL FIRE RATING

PROPERTIES	RESULT	TEST	RESULTS
Combustibility	Non-Combustible		
Flammability	Non-Flammable	NA/AS 1530.3	
	Ignitability	(Range 0-20)	= 0
	Spread of Flame Index	(Range 0-10)	= 0
	Heat Evolved Index	(Range 0-10)	= 0
	Smoke Developed Index	(Range 0-10)	= 1
Corrosion Resistance	N/A		
Moisture Resistance	N/A		
Maximum Service Temperature	350°C		

### PRODUCT

1.1 Premier Glasswool Insulation is a resin bonded fibrous glass wool thermal insulating material for use in framed walls, ceilings and roofs of buildings. Premier Insulation is available in blanket and segment form.

### SCOPE

2.1 Premier Glasswool has been developed to comply with the New Zealand Building Codes for thermal and acoustic applications in commercial and residential construction.

### BUILDING REGULATIONS

#### NEW ZEALAND BUILDING CODE (NZBC)

3.1 In the opinion of BRANZ, Premier Insulation, is designed, used, installed and maintained in accordance with the statements and conditions of its appraisal, will meet or contribute to meeting the following provisions of the NZBC. Appraisal No. 509 (2014).

#### CLAUSE B2 DURABILITY

Performance B2.3.1 (a) not less than 50 years and B2.3.1 (b) 15 years. Premier Insulation will meet this requirement. See Paragraph 8.1.

#### CLAUSE E3 INTERNAL MOISTURE

Performance E3.3.1 Premier Insulation will contribute to meeting this requirement. See Paragraphs 13.1 and 13.2.

#### CLAUSE F2 HAZARDOUS BUILDING MATERIALS

Performance E2.3.1 Premier Insulation meets this requirement and will not present a health hazard to people.

#### CLAUSE H1 ENERGY EFFICIENCY

Performance H1.3.1 (a) and H1.3.2 E Premier Insulation will continue to meeting these requirements. See Paragraphs 19.1 and 19.2.

3.2 This is an appraisal of an acceptable solution in terms of New Zealand Building Code compliance. Premier Insulation thermal resistance (R-value) has been determined by testing to AS/NZS 9859.1 which is an acceptable method.

#### PREMIER INSULATION

##### Appraisal No. 509 (2014)

This appraisal replaces BRANZ Appraisal No. 509 (2013) Amended 29 March 2016

##### BRANZ Appraisals

Technical assessments of products for building and construction

## PREMIER INSULATION

PREMIER INSULATION LIMITED

projects@premierinsulation.co.nz

www.premierinsulation.co.nz

