TEMPER™ GUARD ACOUSTIC

Temper™ Guard Glasswool Acoustic Insulation is a resin bonded spun fibrous thermal insulating material made from up to 70% recycled glass for use in framed walls in domestic and commercial.

Temper™ Guard 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	M²	STC		
Temper™ Guard Acoustic Blanket	R1.8	1200 x 15m	75mm	18.0	42		✓
Temper™ Guard Acoustic Blanket	R2.2	1200 x 13m	90mm	15.6	44		✓
Temper™ Guard Acoustic Blanket	R2.4	1200 x 13m	90mm	12.0	44		✓
Temper™ Guard Acoustic Blanket	R2.6	1200 x 7m	90mm	8.4	44	✓	✓
Temper™ Guard Acoustic Blanket	R2.8	1200 x 5m	90mm	6.0	46	✓	✓
Temper™ Guard Acoustic Segments	R2.6	1200 x 580	90mm	9.7	44	✓	✓
Temper™ Guard Acoustic Segments	R2.8	1200 x 580	90mm	7.0	46	✓	✓

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

Temper™ Guard 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 was done using 90mm x 45mm timber studs nailed at 600mm centres R2.2 Temper™ Guard Insulation and a single layer of 10mm Gib in accordance to ISO 140-3.

Temper™ Guard 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	M²	NRC		
Temper™ Guard Acoustic Blanket	R1.8	1200 x 15m	75mm	18.0	0.90		✓
Temper™ Guard Acoustic Blanket	R2.2	1200 x 13m	90mm	15.6	0.95		✓
Temper™ Guard Acoustic Blanket	R2.4	1200 x 13m	90mm	12.0	1.05		✓
Temper™ Guard Acoustic Blanket	R2.6	1200 x 7m	90mm	8.4	1.05	✓	✓
Temper™ Guard Acoustic Blanket	R2.8	1200 x 5m	90mm	6.0	1.05	✓	✓
Temper™ Guard Acoustic Segments	R2.6	1200 x 580	90mm	9.7	1.05	✓	✓
Temper™ Guard Acoustic Segments	R2.8	1200 x 580	90mm	7.0	1.05	✓	✓
Temper™ Guard Skillion Acoustic Blanket	R3.6	1200 x 6.5m	140mm	7.8	1.10	✓	✓
Temper™ Guard Skillion Acoustic Segments	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.

Temper™ Guard offers a full installation service nationwide.

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

SCOPE

2.1 Temper™ Guard 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

3.1 In the opinion of BRANZ, Temper™ Guard 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. Temper™ Guard Insulation will meet this requirement. See Paragraph 8.1.

CLAUSE E3 INTERNAL MOISTURE
Performance E3.3.1 Temper™ Guard Insulation will contribute to meeting this requirement.
See Paragraphs 13.1 and 13.2.

CLAUSE F2 HAZARDOUS BUILDING MATERIALS
Performance E2.3.1 Temper™ Guard Insulation meets this requirement and will not present a health hazard to people.

CLAUSE HI ENERGY EFFICIENCY
Performance HI3.1 (a) and HI3.2 E Temper™ Guard 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. Temper™ Guard Insulation thermal resistance (R-value) has been determined by testing to AS/NZS 9859.1 which is an acceptable method.

TEMPER™ GUARD 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

IAONZ
QUALITY TRAINING
QUALITY PRODUCT
QUALITY INSTALLATION

ALSYNITE ONE