TEMPER™ GUARD CEILING & SEGMENTS

Temper™ Guard Glasswool 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.

GLASSWOOL FEATURES & BENEFITS

- Manufactured using up to 70% recycled glass and meets New Zealand Building code (NZBC) requirements
- Easy to install, cuts easily using a standard knife, flexible and soft to touch
- Non-combustible – will not burn in the event of a fire
- Vermin resistant
- Will create a healthier building environment
- 100% bio-soluble posing no risk to health
- Will not settle over time

Product & R-Value		Size (mm)	Thickness	M²		
Temper™ Guard Ceiling Blanket	R2.7	1200 x 10m	120mm	12.0		✓
Temper™ Guard Ceiling Blanket	R2.9	1200 x 10m	125mm	12.0		✓
Temper™ Guard Ceiling Blanket	R3.3	1200 x 8.5m	145mm	10.2		✓
Temper™ Guard Ceiling Blanket	R3.6	1200 x 8m	155mm	9.6	✓	✓
Temper™ Guard Ceiling Blanket	R4.0	1200 x 7m	175mm	8.4	✓	✓
Temper™ Guard Ceiling Segments	R3.6	1200 x 430	175mm	9.3		✓
Temper™ Guard Ceiling Segments	R3.6	1200 x 580	175mm	12.5		✓
Temper™ Guard Ceiling Segments	R4.0	1200 x 430	195mm	7.7		✓
Temper™ Guard Ceiling Segments	R4.0	1200 x 580	195mm	10.4		✓
Temper™ Guard Ceiling Segments	R5.0	1200 x 430	210mm	5.2	✓	✓

Temper™ Guard Glasswool Insulation has been appraised by BRANZ as a thermal insulating material for framed or part framed walls in domestic and commercial buildings and when installed correctly will perform for 50 years.

It is estimated that 35% of heat loss is through the roof. Temper™ Guard Glasswool ceiling insulation will reduce heat loss and is to fit into standard and non-standard ceiling construction.

When installing insulation it is important to make sure you friction fit our products so heat cannot escape, use any off cuts to fill any gaps and holes. When installed in accordance with the manufacturers instructions it will satisfy the 50 year durability clause NZBC B2.3.1 (a).

Temper™ Guard Insulation is an acceptable solution for reducing noise in terms of the New Zealand Building Code compliance. Temper™ Guard Insulation thermal resistance (R-Value) has been determined by testing to AS/NZS 4859.1 which is an acceptable method so can be specified with confidence.

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