TEMPER™ GUARD SKILLION ROOF/RAKE 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 Segments	R3.2	1200 x 430mm	115mm	5.7	✓	✓
Temper™ Guard Ceiling Blanket	R3.6	1200 x 1.2m	140mm	7.8	✓	✓
Temper™ Guard Ceiling Segments	R4.0	1200 x 580mm	140mm	5.6	✓	✓

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.

Temper™ Guard Skillion Glasswool Blanket and Segments have been manufactured to fit skillion ceilings with limited or no ceiling access in accordance with NZBC H1 E and G6 Acoustics. It is recommended to leave a 25mm air gap between the building underlay and the insulation. The insulation can only be installed as the roof is being constructed so the only way to reinsulate is by uplifting the roofing membrane.

When installing insulation it is important to make sure you friction fit our products so heat cannot escape, use any offcuts to fill any gaps and holes.

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