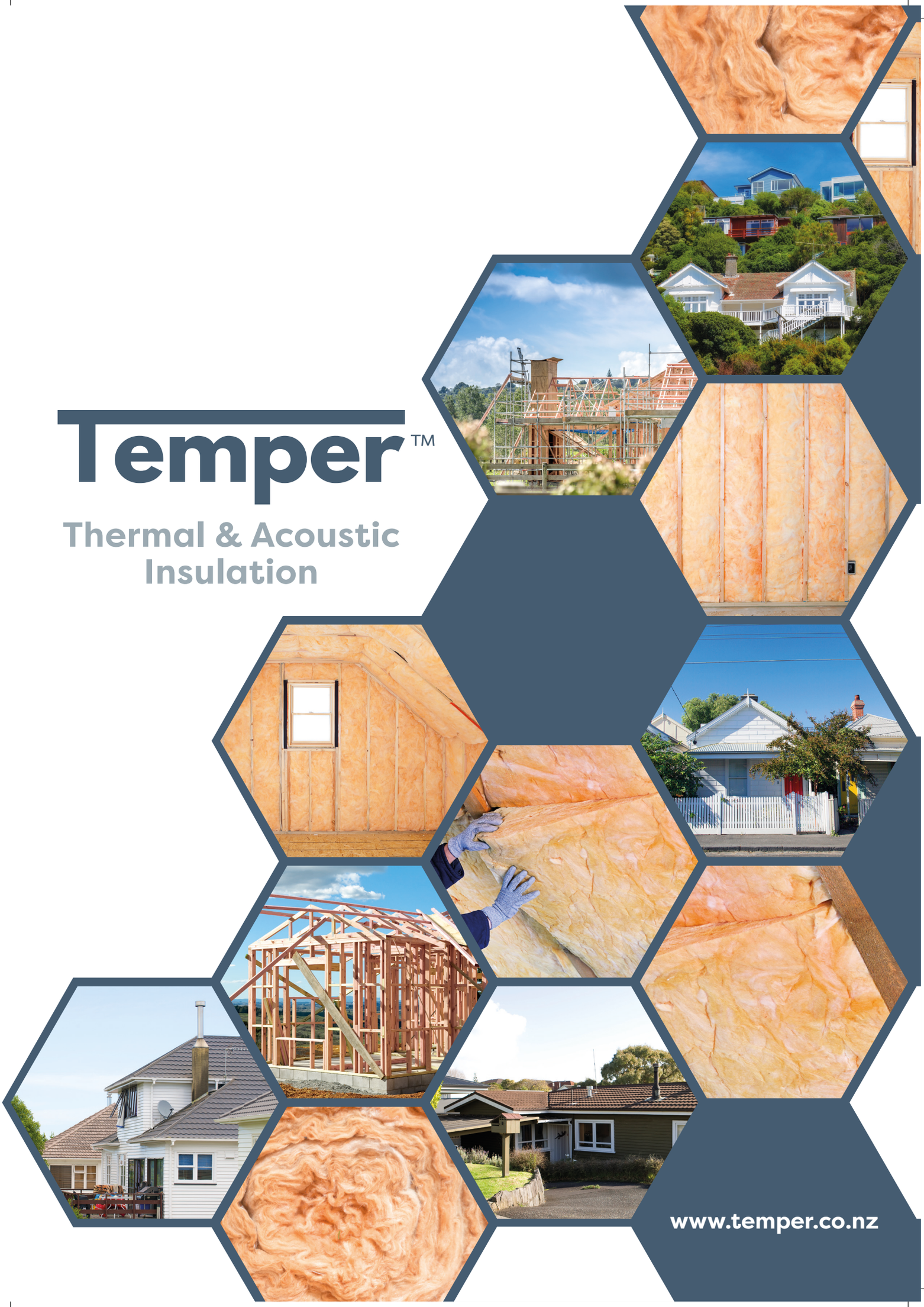
Temper™

Thermal & Acoustic Insulation



www.temper.co.nz

TEMPER™ GUARD FEATURES & BENEFITS

Temper Guard Glass Wool is a resin bonded thermal insulating material made using up to 70% recycled glass for use in framed walls, ceilings and roofs in domestic and commercial construction.

Our Temper Guard Glass Wool is flexible, easy to install, is soft to touch and available in blanket and segment form. When installed in accordance with the manufacturers recommendations it will perform for a minimum of 50 years, meeting the requirements of NZBC H1.

TEMPER™ GUARD GLASS WOOL

- Manufactured using up to 70% recycled glass and meets New Zealand Building code (NZBC)
- Easy to install, cuts easily using a standard stanley knife, flexible and soft to touch
- Vermin resistant, 100% bio-soluble posing no risk to health.
- Cost effective, compared with products of similar R-Value
- Non-Flammable

Temper™ Guard Glass Wool
Technical Specification Guide

Temper™ Guard	R-Value	Size	Thickness	M²
Wall Blanket	R1.8*	1.2 x 15m	75mm	18.0
	R2.2*	1.2 x 13m	90mm	15.6
	R2.4*	1.2 x 10m	90mm	12.0
	R2.6*	1.2 x 7m	90mm	8.4
	R2.8*	1.2 x 5m	90mm	6.0
Wall Segments	R2.6*	1.2 x 0.58m	90mm	9.7
	R2.8*	1.2 x 0.58m	90mm	7.0

Temper™ Guard	R-Value	Size	Thickness	M²
Skillion				
Segments	R3.2	1.2 x 0.43m	115mm	5.7
Wall Blanket	R3.6*	1.2 x 6.5m	140mm	7.8
Wall Segments	R4.0*	1.2 x 0.58m	140mm	5.6
Masonry Blanket	R1.0	1.2 x 30m	40mm	36.0
	R1.3	1.2 x 15m	50mm	18.0

Temper™ Guard	R-Value	Size	Thickness	M²
Ceiling Blanket	R2.7	1.2 x 10m	120mm	12.0
	R2.9	1.2 x 10m	125mm	12.0
	R3.3	1.2 x 8.5m	145mm	10.2
	R3.6	1.2 x 8.0m	155mm	9.6
	R4.0	1.2 x 7.0m	175mm	8.4
Temper™ Guard				
Ceiling Segments	R3.6	1.2 x 0.43m	175mm	9.3
	R3.6	1.2 x 0.58m	175mm	12.5
	R4.0	1.2 x 0.43m	195mm	7.7
	R4.0	1.2 x 0.58m	195mm	10.4
	R5.0	1.2 x 0.43m	210mm	5.2

Temper Guard Acoustic Products marked with (*) Acoustic tests (NRC) were completed by Auckland University in accordance to ISO354.

Insulation works by slowing the transfer of heat through the insulation. Insulation is measured by the performance referred to the term R-value. The higher the R-value the greater the insulation will perform reducing heat loss and creating a warm living environment in winter and cool in summer. A well-insulated home will not only create a comfortable living environment it will save on energy heating your home and savings on energy.

Not only will Temper Guard Glass Wool perform thermally, it will also assist in reducing unwanted sound through bedroom, bathroom, and kitchen walls. Data sheets regarding the acoustic insulation properties are available on request.

TEMPER™ CLOUD FEATURES & BENEFITS

The Temper Cloud Polyester product range is manufactured under license. Our polyester range and underfloor products are made from 100% polyester fibre. The recycled fibre component comes from recyclable plastic bottles with no binding agent, just thermally bonded.

TEMPER™ CLOUD POLYESTER

- Is designed and manufactured in New Zealand
- Polyester insulation is manufactured from 100% polyester fibres which are bonded together using heat not glue so will perform for a minimum 50 years
- Polyester has been tested as being safe and BRANZ appraised for residential and commercial buildings in walls, ceilings and underfloor

Temper™ Cloud Polyester
Technical Specification Guide

Temper™ Cloud	R-Value	Size (mm)	Thickness	M²
Ceiling Blanket	R1.8	870 x 11495	115mm	20.0
	R2.9	870 x 8620	175mm	15.0
	R3.2	870 x 8620	200mm	15.0
	R3.6	870 x 7470	225mm	13.0
	R4.0	870 x 5750	240mm	10.0

Temper™ Cloud	R-Value	Size (mm)	Thickness	M²
Wall Blanket	R2.2	360 x 9870	90mm	7.11
	R2.2	560 x 10800	90mm	6.05
	R2.6	380 x 8550	140mm	13.00
	R2.6	580 x 7470	140mm	13.00

Temper™ Cloud	R-Value	Size (mm)	Thickness	M²
Underfloor Blanket	R1.5	0.45 x 0.51 x 0.60 X 0.65	100mm	20.0
	R1.8	0.45 x 0.51 x 0.60	115mm	20.0

Temper™ Cloud	R-Value	Size (mm)	Thickness	M²
Ceiling Skillion	R2.9	560 x 1200	115mm	2.02
Roof Sections	R2.9	860 x 1200	115mm	5.16
	R3.2	570 x 1200	165mm	3.42
	R3.2	870 x 1200	165mm	4.18

Temper™ Cloud	R-Value	Size (mm)	Thickness	M²
Wall Sections	R2.0	360/560 x 760	90mm	2.46/2.55
	R2.2	360/560 x 760	90mm	2.46/2.55
	R2.5	360/560 x 760	90mm	2.46/2.55
	R2.8	360/560 x 760	90mm	4.92/5.10

Temper™ Cloud	R-Value	Size (mm)	Thickness	M²
Masonry Walls	R1.0	580 x 12930	45mm	15.0
	R1.3	360 x 2400	45mm	7.78
	R1.3	360 x 2400	45mm	8.06

Don't forget your internal walls, insulating your internal walls will substantially reduce noise levels by providing sound absorption within the cavity space.

Additionally the World Health Organisation recommends that the minimum temperature for a healthy home is 18°C. Installing internal wall insulation such as Temper Guard Glass Wool or Temper Cloud Polyester is a key component towards achieving this, and provides a more even temperature throughout the home. Best of all, it is one of the most cost effective ways to do so.

TEMPER™ INSULATION BENEFITS

FOR THE
Consumer

- A healthier home reduces Doctor's visits
- Helps cool in the summer and warm in the winter
- Good insulation lowers electricity bills

FOR THE
Landlord

- Complies to Residential Tenancy Act
- Tenants will be more comfortable and stay longer
- Protection of property investment

FOR THE
Housing Company

- Proven quality product
- BRANZ approved
- 50 year warranty on both Glass wool and Polyester

Authorised reseller:

Alsynite One Ltd

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47 De Leeuw Place,
Te Rapa Park
Hamilton 3200
(07) 850 5088

Palmerston North Branch
74 Malden Street,
Roslyn
Palmerston North 4414
(06) 356 5384

Christchurch Branch
18 Nga Mahi Road,
Sockburn
Christchurch 8042
(03) 348 3375

ALSYNITE ONE

For Authorised resellers visit www.temper.co.nz

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Temper™ GUARD

Temper™ CLOUD

BRANZ Appraised
Appraisal No.509 [2014]