



TemperTherm Product Range

Glasswool & 100% Polyester Insulation

Thermal & Acoustic



Shaping healthier environments from the inside out.

We're proud to be a NZ owned and operated manufacturer and distributor of high-quality thermal and acoustic insulation, ranged and stocked to support building designers, specifiers, and the wider construction industry to create a healthy and energy-efficient built environment.

Our safe and friendly 100% Polyester Insulation is proudly manufactured in our production and warehousing facility in Ngaruawahia. Our Glasswool range is imported from our trusted long-term manufacturing partners in Taiwan and China.

With bulk storage and distribution centres in Auckland and Christchurch, we've got the North and South Islands covered — so you can count on getting the products you need, when you need them.

Declare.



CodeMark

OUR DIFFERENCE

QUALITY 100% POLYESTER INSULATION

Our state-of-the-art factory in Ngaruawahia, Waikato, allows us to keep overheads low and efficiency high which means better prices for you. We offer a full range of thermal and acoustic insulation, all BRANZ Appraised and Eco Choice Aotearoa certified, Kāinga Ora New-Build approved and comes with a 50 Year Durability Warranty.

QUALITY GLASSWOOL INSULATION

Our insulation is made from 90% recycled glass and offers a full thermal and acoustic range, including R7.3 single-layer solutions. It's ISO 9001 certified for quality management, all backed by a 50-year durability warranty.

SPECIFICATION SUPPORT

We can write your specs to ensure consistency and save you time. We can also help with value engineering and brand substitutions to save you money. Technical documents are all available on our website.

EXPERT H1 SUPPORT

We offer expert design and technical advice backed by over 20 years of industry experience. Our services include free H1 calculations and compliance certificates, as well as H1 modelling for complex builds.

“We’re proud to
design and deliver
insulation solutions
that make our
customers *feel*
good”.



TECHNICAL SUPPORT

For further thermal design advice,
pricing and specification support,
please contact our team:

sales@tempertherm.co.nz
07 282 1184
tempertherm.co.nz



100% Polyester Thermal Insulation Range

TemperTherm 100% Polyester Insulation is proudly manufactured in NZ, using minimum 45% previously recycled fibre.

TemperTherm 100% Polyester Insulation is proudly manufactured in NZ from thermally bonded polyester fibres, for use in framed walls, ceilings, skillion roofs, suspended floors, and mid-floor applications in both residential and commercial construction and contains minimum 45% recycled fibre from post-consumer recycled PET plastic. Our Polyester Insulation is available in a range of widths and performance options and is available in blanket, skillion and segment forms.

Quality 100% Polyester Insulation

- Manufactured from 100% polyester fibres, using minimum 45% previously recycled fibre (from post-consumer recycled PET plastics)
- Moisture and vermin resistant
- Non-toxic, non-allergenic, non irritant, soft and safe to touch
- Made in NZ and designed for New Zealand buildings
- Select products are BRANZ Appraised and Eco Choice Aotearoa Certified
- DECLARE & Red List Free Approved
- 50 Year Durability Warranty

Durability

TemperTherm 100% Polyester Insulation is durable and long lasting. All our products are backed by a 50-year product durability warranty.

High Performing

Our TemperTherm Polyester Insulation is moisture, insect, and vermin resistant. It has been appraised by BRANZ and meets all relevant requirements of the New Zealand Building Code (NZBC).

Safe to Touch

Polyester Insulation is one of the safest insulation options available. It is free of harmful toxins and chemicals and is designed to be gentle on skin, without causing any itching or irritation. You can touch it safely with bare hands.



TEMPERTHERM 100% POLYESTER HIGH-DENSITY THERMAL INSULATION

TemperTherm 100% Polyester high-density thermal insulation is ideally suited for insulating timber framed walls, but can also be used in ceilings and mid-floors where space is restricted. Our high-density thermal insulation can also be mixed and matched with our Ceiling Blanket range for double-layering in ceilings. Our 70mm range is ideal for insulating existing timber-framed exterior walls where it can provide the recommended 20mm space to the exterior building wrap/cladding.

	Nominal Thickness	Product Format	Standard Widths	Thermal Conductivity (λ 50/90)		
R1.8 70mm Wall	70mm	Segments	560mm	0.0368 W/mK		✓
R2.0 70mm Retro Wall	70mm	Segments	560mm	0.0320 W/mK		
R2.0 High-Density Segments	90mm	Segments	360mm/560mm	0.0371 W/mK	✓	✓
R2.2 High-Density Segments*	90mm	Segments	360mm/560mm	0.0350 W/mK	✓	✓
R2.5 High-Density Segments	90mm	Segments	360mm/560mm	0.0345 W/mK	✓	✓
R2.6 High-Density Segments	140mm	Segments	360mm/560mm	0.0511 W/mK	✓	✓
R2.8 High-Density Segments	140mm	Segments	360mm/560mm	0.0441 W/mK	✓	✓
R3.2 High-Density Segments	140mm	Segments	360mm/560mm	0.0430 W/mK	✓	✓
R3.4 High-Density Segments	140mm	Segments	360mm/560mm	0.0412 W/mK	✓	✓
R3.6 High-Density Segments	140mm	Segments	360mm/560mm	0.0380 W/mK	✓	✓

*Approved for GIB Noise Control Systems

TEMPERTHERM 100% POLYESTER THERMAL CEILING BLANKET

R1.8 Ceiling Blanket	115mm	Roll Form	870mm	0.0524 W/mK	✓	✓
R2.4 Ceiling Blanket	145mm	Roll Form	870mm	0.0523 W/mK	✓	✓
R2.9 Ceiling Blanket	185mm	Roll Form	870mm	0.0581 W/mK	✓	✓
R3.3 Ceiling Blanket	200mm	Roll Form	870mm	0.0562 W/mK	✓	✓
R3.6 Ceiling Blanket	225mm	Roll Form	870mm	0.0590 W/mK	✓	✓
R3.8 Ceiling Blanket	225mm	Roll Form	870mm	0.0591 W/mK		
R4.1 Ceiling Blanket	245mm	Roll Form	870mm	0.0570 W/mK	✓	✓

TEMPERTHERM100% POLYESTER HIGH DENSITY SKILLION ROOF SEGMENTS

Our Polyester Skillion Roof Insulation is suitable for residential, commercial and industrial buildings, and is available in a range of thicknesses and performance options. Our Skillion range offers high thermal performance for restricted cavities, and has been engineered to not over-loft ensuring the minimum 25mm clearance between the insulation and roof underlay is maintained over time. Our Skillion range can also be used in other roof installations, and in walls and mid-floors for both thermal and acoustic comfort.

	Nominal Thickness	Product Format	Standard Widths	Thermal Conductivity (Å 50/90)		
R2.9 Mid-Floor-Skillion Segments	115mm	Segments	870mm	0.0385 W/mK		
R3.2 Mid-Floor-Skillion Segments	140mm	Segments	870mm	0.0430 W/mK	✓	✓
R3.4 Mid-Floor-Skillion Segments	140mm	Segments	870mm	0.0412 W/mK	✓	✓
R3.6 Mid-Floor-Skillion Segments	140mm	Segments	870mm	0.0380 W/mK	✓	✓
R3.2 Mid-Floor-Skillion Segments	165mm	Segments	870mm	0.0500 W/mK		
R3.6 Mid-Floor-Skillion Segments	165mm	Segments	870mm	0.0457 W/mK	✓	✓
R3.8 Mid-Floor-Skillion Segments	165mm	Segments	870mm	0.0400 W/mK	✓	✓

TEMPERTHERM100% POLYESTER SUSPENDED FLOOR THERMAL INSULATION

TemperTherm 100% Polyester Suspended Underfloor Thermal Blanket range has been proudly designed to thermally insulate exposed timber joist floors in residential and commercial buildings. Our Retro-Fit Underfloor range is ideally suited for insulating existing homes, including rental properties to meet the Healthy Homes Standards. Our higher R-Value range has been designed to meet the new build standards required by NZBC H1. Increasing the suspended floor insulation R-Value beyond the minimum is a cheap and effective way to balance Heat Loss requirements for the NZBC H1 Calculation Method

	Nominal Thickness	Product Format	Standard Widths	Thermal Conductivity (Å 50/90)		
R1.5 Retro-Fit Underfloor	100mm	Roll Form	450mm/ 510mm/ 650mm	0.0571 W/mK		✓
R1.8 Retro-Fit Underfloor	115mm	Roll Form		0.0524 W/mK		✓
R2.0 Retro-Fit Underfloor	115mm	Roll Form		0.0540 W/mK		✓
R2.6 140mm Underfloor	140mm	Roll Form	370mm/420mm	0.0511 W/mK	✓	✓
R2.8 140mm Underfloor	140mm	Roll Form	370mm/420mm	0.0441 W/mK	✓	✓
R3.2 140mm Underfloor	140mm	Roll Form	370mm/420mm	0.0430 W/mK	✓	✓
R3.4 140mm Underfloor	140mm	Roll Form	370mm/420mm	0.0412 W/mK	✓	✓
R3.0 165mm Underfloor	165mm	Roll Form	370mm/420mm	0.0497 W/mK	✓	✓
R3.6 165mm Underfloor	165mm	Roll Form	370mm/420mm	0.0457 W/mK	✓	✓
R3.8 165mm Underfloor	165mm	Slabs	370mm/420mm	0.0400 W/mK	✓	✓

TEMEPERTHERM100% POLYESTER CARPARK & SOFFIT INSULATION PANELS

TemperTherm 100% Polyester Carpark & Soffit insulation panels are designed for the thermal and acoustic insulation of masonry soffits and ceiling structures. TemperTherm Carpark & Soffit panels can also be used for thermal and acoustic insulation of steel portal commercial and industrial buildings. TemperTherm 100% Polyester Carpark & Soffit insulation is available in a range of thicknesses and performance options, and is supplied as a grey-blend coloured panel.

	Nominal Thickness	Pack Configuration	Thermal Conductivity (Å 50/90)		
R1.8 Carpark & Soffit Insulation	70mm	1200mmx2400mm	0.0368 W/mK	✓	✓
R2.0 Carpark & Soffit Insulation	90mm	1200mmx2400mm	0.0371 W/mK	✓	✓
R2.2 Carpark & Soffit Insulation	90mm	1200mmx2400mm	0.0350 W/mK	✓	✓
R2.5 Carpark & Soffit Insulation	90mm	1200mmx2400mm	0.0345 W/mK	✓	✓
R2.8 Carpark & Soffit Insulation	140mm	1200mmx2400mm	0.0441 W/mK	✓	✓
R3.2 Carpark & Soffit Insulation	140mm	1200mmx2400mm	0.0430 W/mK	✓	✓
R3.6 Carpark & Soffit Insulation	140mm	1200mmx2400mm	0.0380 W/mK	✓	✓
R3.8 Carpark & Soffit Insulation	165mm	1200mmx2400mm	0.0400 W/mK	✓	✓

TEMPERTHERM 100% POLYESTER MASONRY WALL & SERVICE CAVITY INSULATION

TemperTherm 100% Polyester Masonry & Service Cavity Blanket is designed especially for the thermal and acoustic insulation of strapped and lined masonry walls, and as a secondary insulating layer in high-performance wall and ceilings. TemperTherm 100% Polyester products provide both thermal and acoustic insulation. Our Masonry & Service Cavity Blanket range utilise specialist low denier, high-volume hollow-core polyester fibres for superior sound absorption.

	Nominal Thickness	Pack Format	Standard Widths	Thermal Conductivity (Å 50/90)
R0.5 Masonry Wall & Service Cavity Blanket	20mm	Roll Form	580mm	
R0.8 Masonry Wall & Service Cavity Blanket*	35mm	Roll Form	580mm	0.0396 W/mK
R1.0 Masonry Wall & Service Cavity Blanket	45mm	Roll Form	580mm	0.0428 W/mK
R1.3 Masonry Wall & Service Cavity Segments	45mm	Segments	360mm/560mm	0.0345 W/mK

*Compressed R1.0 45mm Masonry Blanket

100% Polyester Acoustic Insulation Range

Noise Source Scale (STC)		Acoustic insulation plays a very important role in creating sound privacy. Acoustic insulation works by absorbing sound waves and reducing resonating noise in the construction cavity. Insulation thickness and material density are good indicators of the acoustic performance of insulating materials. Insulation that fills the cavity, and is higher-density will perform better. Adding TemperTherm Acoustic Wall & Mid-Floor Blanket to the cavity of a typical residential wall or mid-floor construction will increase the STC rating of that construction by 3 – 8 STC points. STC ratings give an approximate value for the reduction of noise in dB. You will hear a noticeable difference in noise reduction by adding the Acoustic Blanket to a typical wall or mid-floor partition, when compared to the same partition with an empty cavity. Different construction and different materials will have an impact on the overall STC. Research and experience show that 10 dB of sound reduction is perceived as a halving of loudness. 1 – 2 dB is generally not noticeable, and 5 dB is perceived as a significant change.
25	Normal speech can be heard easily.	
30	Some speech will be quite intelligible.	
35	Possible to understand some normal speech.	
42	Speech will be audible but most normal conversation will not be intelligible.	
45	Must strain to hear normal speech.	
48	Only some loud speech will be audible, but unintelligible.	
50	Loud speech cannot be heard.	

A typical wall construction of 10mm GIB either side of 90mm timber framing will provide STC 36. Adding TemperTherm Acoustic Wall & Mid-Floor Blanket to the cavity will increase the wall performance to STC41 – turning voices to a murmur. Further increases in STC performance can be gained by using higher-density acoustic insulation and plasterboard, and by adding additional layers of plasterboard.

For Inter-tenancy acoustic solutions, we recommend our TemperTherm Acoustic IT Blanket which is approved by GIB® and Marshall Day Acoustics for use in GIB® Acoustic Systems.

TEMPERTHERM 100% POLYESTER ACOUSTIC WALL & MID-FLOOR BLANKET					
TemperTherm Acoustic Wall & Mid-Floor Blanket has been engineered for superior sound absorption and is ideal for increasing the acoustic privacy of sub inter-tenancy timber-framed walls and mid-floor construction.					
	Nominal Thickness (mm)	Material Density (Kg/m³)	Material Weight (gsm)	Air Flow Resistivity (rayls/m)	
Acoustic Wall & Mid-Floor Blanket	90mm	12.22 Kg/m³	1,100gsm	1,900	✓

TEMPERTHERM 100% POLYESTER ACOUSTIC IT BLANKET					
TemperTherm Acoustic IT Blanket has been specially designed to use as an alternative infill in GIB® Noise Control® systems. Marshall Day Acoustics have provided independent verification that substitution will not jeopardise the declared system performances.					
	Nominal Thickness (mm)	Material Density (Kg/m³)	Material Weight (gsm)	Air Flow Resistivity (rayls/m)	GIB® Noise Control System Approved 
Acoustic IT Blanket	90mm	15.0Kg/m³	1,350gsm	2,500	Yes ✓

TEMPERTHERM 100% POLYESTER SOUND BLANKET RANGE					
Our Sound Blanket range has been engineered for superior sound absorption and is designed as specialist sound control infill for metal-stud partition walls, and as an acoustic overlay for suspended ceilings.					
	Nominal Thickness (mm)	Material Density (Kg/m³)	Material Weight (gsm)	Air Flow Resistivity (rayls/m)	GIB® Noise Control System Approved 
50mm Sound Blanket	50mm	14.70Kg/m³	735gsm	1,700	Yes ✓
60mm Sound Blanket	60mm	12.50 Kg/m³	750gsm	1,400	✓
70mm Sound Blanket	70mm	12.85 Kg/m³	900gsm	1,700	✓
75mm Sound Blanket	75mm	15.33 Kg/m³	1,150gsm	2,200	Yes ✓
120mm Sound Blanket	120mm	14.00 Kg/m³	1,680gsm	1,700	✓

TEMPERTHERM 100% POLYESTER BAFFLE STACK					
TemperTherm 100% Polyester Acoustic Baffle Stack is proudly manufactured in NZ, and contains minimum 45% recycled fibre from post-consumer PET plastic. Our acoustic ranges utilise specialist low denier, high-volume hollow-core polyester fibres for superior sound absorption. TemperTherm 100% Polyester Baffle Stack has been designed to be layer-stacked above acoustically rated partition walls to reduce and control sound transfer through the ceiling plenum space.					
	Nominal Thickness	Material Weight (gsm)	Density: 11kg/m³ Stack Compression 17%	Density: 15kg/m³ Stack Compression 38%	Density: 19kg/m³ Stack Compression 50% 
100% Polyester Baffle Stack	120mm	1,000gsm	12 dB	19 dB	22 dB ✓

TEMPERTHERM 100% POLYESTER ACOUSTIC PAB PANELS					
TemperTherm 100% Polyester PAB can be supplied in black, white or grey-blend semi-rigid sheets. TemperTherm 100% polyester acoustic ranges utilise specialist low denier, high-volume hollow-core polyester fibres for superior sound absorption. TemperTherm PAB is available in a range of thicknesses, densities, and performance options for controlling reverberated noise in theatres, auditoriums, halls, offices, retail, hospitality, gyms and indoor swimming pool complexes.					
	Density (Kg/m³)	Material Weight (gsm)	Nominal Thickness (mm)	NRC	Product Format (Standard Size)
PAB 35-25	35Kg/m³	875gsm	25mm	NRC 0.70 (est)	1200mm x 2400mm
PAB 35-50	35Kg/m³	1,750gsm	50mm	NRC 0.90 (est)	1200mm x 2400mm
PAB 20-75	20Kg/m³	1,500gsm	75mm	NRC 0.85 (est)	1200mm x 2400mm
PAB 20-100	20Kg/m³	2,000gsm	100mm	NRC 0.95	1200mm x 2400mm

TEMPERTHERM POLYESTER RECYCLING & TAKEBACK PROGRAMME

ZERO WASTE MANUFACTURING

All our TemperTherm Polyester Insulation products are proudly manufactured in Aotearoa New Zealand under our Zero Waste Policy. Any production offcuts are reprocessed and reintegrated into the manufacturing cycle, ensuring no memorable waste.

CUSTOM SIZES – MADE TO ORDER

To help reduce installation costs, handling, and material waste, we offer short-run, made-to-order custom sizes alongside our standard widths. For orders over 200m² per variant, we'll manufacture the exact size you need.

TAKE-BACK RECYCLING: POLYESTER INSULATION OFFCUTS

We support waste minimisation beyond production by offering a take-back recycling service for insulation offcuts from installation projects. This can be arranged for specific projects or ongoing supply. All TemperTherm Polyester offcuts are reprocessed by Retex® – Learn more at retex.co.nz.

Returning your Polyester off-cuts & Plastic Packaging

KEEP SOME BAGS

- Open bales with a sharp knife leaving the bag intact for returning off-cuts and packaging.
- Keep off-cuts and packaging separate for recycling.

BAG THE OFF-CUTS

- Ensure the offcuts are clean and free from contaminants like wood shavings, strapping, wire, nails, etc.
- Keep plastic packaging for recycling separate.

BAG THE PLASTIC PACKAGING

- Ensure the packaging is clean and uncontaminated.

COMPRESS AND SEAL

- Get as much in there as you can and seal the bag using a cable tie or tape.
- If the bag has no holes, you can use a vacuum to suck out the air so they take up less room.
- Vacuumed bags can be put into another bag to help keep them tight.

Glasswool Insulation Range

TemperTherm Glasswool is a resin-bonded insulation material using up to 90% recycled glass.

Since 1996, we've maintained a longstanding partnership with our manufacturing partner in Taiwan, importing high-quality glasswool insulation products for the New Zealand market.

TemperTherm Glasswool is a resin-bonded Thermal & Acoustic insulation material made using up to 90% recycled glass. It is designed for use in framed walls, ceilings, and mid-floor applications in both residential and commercial construction.

Key Features

- Made from up to 90% recycled glass
- Resin bonded for enhanced durability and strength
- Cost effective, flexible, and easy to install
- High R-Values, up to R7.3, supporting compliance to NZBC H1 Energy Efficiency requirements
- Non-combustible Glasswool
- Select products are CodeMark Certified, BRANZ Appraised and Eco Choice Aotearoa Certified
- 50 Year Durability Warranty
- Manufactured under ISO9001, ISO14001 quality and environmental systems

Durability

TemperTherm Glasswool Insulation is durable and long lasting. All our products are backed by a 50-year product durability warranty.

Non-Combustible

Glasswool insulation is considered non-combustible in accordance with the NZBC C – Protection from Fire. TemperTherm Glasswool can therefore be used for the thermal and acoustic insulation of buildings in all purpose and risk groups.

Easy to Handle

TemperTherm Glasswool is flexible and soft to touch, making it easier to handle and install.



TEMPERTHERM GLASSWOOL 90mm WALL, MID-FLOOR & HD CEILING BLANKETS

	Nominal Thickness	Material Density		ECO Choice Aotearoa	BRANZ Appraised	CodeMark Certified	BRANZ AS/NZ4859 Tested
UET R1.8 75mm Thermal & Acoustic Insulation	75mm	12Kg/m³	UET			✓	
UET R2.2 90mm Thermal & Acoustic Insulation	90mm	14Kg/m³	UET				✓
UET R2.4 90mm Thermal & Acoustic Insulation	90mm	18Kg/m³	UET			✓	
UET R2.6 90mm Thermal & Acoustic Insulation	90mm	24Kg/m³	UET			✓	
UET R2.8 90mm Thermal & Acoustic Insulation	90mm	32Kg/m³	UET			✓	

TEMPERTHERM GLASSWOOL 140mm WALL, MID-FLOOR & SKILLION ROOF

Taita R3.2 115mm Wall Mid-Floor Skillion Segments	115mm	22Kg/m³	Taita	✓	✓		
UET R3.2 140mm Wall Mid-Floor Skillion Insulation	140mm	11Kg/m³	UET			✓	
UET R3.6 140mm Wall Mid-Floor Skillion Insulation	140mm	16Kg/m³	UET			✓	
UET R4.0 140mm Wall Mid-Floor Skillion Insulation	140mm	24Kg/m³	UET			✓	
Taita R4.3 140mm Wall Mid-Floor Skillion Segments	140mm	34Kg/m³	Taita				✓
Taita R4.5 165mm Skillion Segments	165mm	20Kg/m³	Taita	✓	✓		
Taita R5.0 180mm Skillion Segments	180mm	17Kg/m³	Taita				✓

TEMPERTHERM GLASSWOOL MASONRY WALL & SERVICE CAVITY BLANKET

Taita R2.2HD 70mm Thermal & Acoustic Segments	70mm	24Kg/m³	Taita				✓
Taita R1.0 40mm Masonry & Service Cavity Blanket	40mm	13Kg/m³	Taita	✓	✓		
UET R1.2 50mm Masonry & Service Cavity Blanket	50mm	13Kg/m³	UET			✓	

TEMPERTHERM GLASSWOOL QUIETCORE™ ACOUSTIC INSULATION

HUD 90mm QuietCore™ Acoustic Wall Blanket	90mm	18Kg/m³	Huadeli
HUD 140mm QuietCore™ Acoustic Mid-Floor Blanket	140mm	14Kg/m³	Huadeli

	Nominal Thickness	Material Density		ECO Choice Aotearoa	BRANZ Appraised	CodeMark Certified	BRANZ AS/NZ4859 Tested
Taita R2.7 120mm Ceiling, Soffit & GCFO Blanket	120mm	12Kg/m³	Taita				✓
Taita R3.6 155mm Ceiling Blanket	155mm	12Kg/m³	Taita	✓	✓		
Taita R4.1 175mm Ceiling Blanket	175mm	12Kg/m³	Taita	✓	✓		

TEMPERTHERM GLASSWOOL CEILING SEGMENTS

HUD R3.6 175mm Ceiling Segments	175mm	8Kg/m³	Huadeli				✓
HUD R4.1 195mm Ceiling Segments	195mm	9Kg/m³	Huadeli				✓
UET R5.0 220mm Ceiling Segments	220mm	12Kg/m³	UET			✓	
UET R6.0 250mm Ceiling Segments	250mm	12Kg/m³	UET			✓	
UET R6.6 275mm Ceiling Segments	275mm	12Kg/m³	UET			✓	
UET R7.0 285mm Ceiling Segments	285mm	14Kg/m³	UET			✓	
HUD R7.0-350mm Ceiling Segments	350mm	8Kg/m³	Huadeli				✓
UET R7.3 300mm Ceiling Segments	300mm	14Kg/m³	UET				✓

Single Layer or Double Layer Ceiling Insulation

Insulation and your H1 compliance method should be considered at the initial design stage. Our TemperTherm Glasswool range offers insulation R-Values that will meet H1 standards as a single-layer, however double-layer installation can provide greater flexibility. Either way, detailing and specification is key to getting a good outcome.

Example Specification for SINGLE-LAYER Installation:

Insulation: TemperTherm Glasswool R7.3 275mm
Insulation to be installed completely covering the truss chords and fitted around truss members to provide full and even coverage and no gaps. Refer Manufacturers Installation

Instructions for guidance.
Refer Specifications and H1 Thermal Calculation.

Example Specification for DOUBLE-LAYER Installation (90mm bottom chord):

Insulation: TemperTherm Glasswool double-layer install: total Insulation R-Value: R7.6 at 320mm
Bottom layer: TemperTherm Glasswool R2.4 90mm to match depth of bottom chord. Install with tight fit between trusses.
Top layer: TemperTherm Glasswool R5.2 230mm installed over the top of truss chords and fitted around truss members to ensure no gaps. Joins between insulation segments are to be off-set between the two layers to ensure full cover and reduce thermal bridging.

Refer Specifications and H1 Thermal Calculation.

RESOURCE CENTRE

We provide expert design and technical support, backed by over 20 years of industry experience. Whether you need help with H1 calculations, modelling, or general technical advice, our team is here to support your project from start to finish.

Specification and Substitution: Our TemperTherm specification documents are available via MasterSpec, our Website or directly from our team at support@tempertherm.co.nz.

We can assist with writing your specs to ensure consistency across your documentation, and we're also happy to help with product substitutions when needed.

All TemperTherm Technical Documents are available from our website.

How to get in touch

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tempertherm.co.nz

Our Care for the Environment

At TemperTherm, we know that high-performance insulation is only part of the story. We know that as a manufacturer and importer/distributor we have additional responsibility to ensure we understand the environmental impacts of our products and activities, and we make open and honest commitments to a sustainable future.

While we're still early on in our sustainability journey, we've taken some meaningful steps, including gaining certification through Eco Choice Aotearoa for a large portion of our range.

Eco Choice Aotearoa is New Zealand's only Type I ecolabel, an internationally recognised mark that sets a high bar for environmental standards across the full lifecycle of a product.

Our Eco Choice Aotearoa certification is officially recognised by the New Zealand Green Building Council (NZGBC) and supports smoother pathways for Green Star, Homestar, and Living Building Challenge projects.

Our **TemperTherm 100% Polyester Insulation range is DECLARE certified and Red List Free**, making it ideal for use in Living Building Challenge projects and other sustainable builds.





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