

# PREMIER INSULATION

Glasswool & 100% Polyester  
Thermal and Acoustic Insulation





## Insulation solutions for healthier living spaces, all year round.

We take pride in being a manufacturer and importer/distributor of 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, and our Glasswool Insulation range is imported from our longstanding supply partner in Taiwan. We also operate a bulk-store and distribution centre in Christchurch.

We distribute our brand of Premier insulation through a nationwide network of independent Premier Insulation branches, specialising in thermal and acoustic solutions for residential and commercial buildings.

# The Premier Difference

## Direct supply, No Middleman

We don't supply through Merchants or Distributors. We supply direct and pass on the savings. We offer nationwide supply-only, and full installation services.

## Quality 100% Polyester Insulation

- Made in our state of the art factory in Ngaruawahia, Waikato
- Lower overheads and high efficiency means cheaper prices
- Full thermal and acoustic range
- BRANZ Appraised & Eco Choice Aotearoa Certified
- Kāinga Ora New-Build approved
- 50 Year Durability Warranty

## Quality Glasswool Insulation

- Made from 90% recycled glass
- Full thermal and acoustic range, including R7.3 single-layer solutions
- BRANZ Appraised & Eco Choice Aotearoa Certified
- 50 Year Durability Warranty

## H1 Support

- Design & technical advice (+20 years industry experience)
- Free H1 Calculations and Compliance Certificates
- H1 Modelling Method for complex builds

## Acoustics

- Verified alternative for GIB Noise Control Systems
- Commercial 100% Polyester range; Sound Blankets, Baffle Stack, Absorption Panels

## Specification Support

- We can write your Specs to ensure consistency and save you time
- We're on Masterspec
- Product Data Sheets, Installation Instructions, Technical Supplements, and Warranty Documents are available our on website.





# 100% Polyester Insulation



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

Premier 100% Polyester Insulation is proudly manufactured in NZ from thermally bonded polyester fibres, for use in framed walls, ceilings, suspended floors and mid-floor applications in both residential and commercial construction. Our Polyester Insulation range 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
- 50 Year Durability Warranty

## Durability

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

## High Performing

Our Premier 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.



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Appraisal No. 1096 [2019]



Licence No: 2517147





# 100% Polyester Thermal Insulation

Nominal  
Thickness

Product  
Format

Standard Widths



## PREMIER 100% POLYESTER 70mm/90mm/140mm HIGH-DENSITY THERMAL INSULATION

	Nominal Thickness	Product Format	Standard Widths		
R1.8 70mm Wall	70mm	Segments	580mm		
R2.0 70mm Retro Wall	70mm	Segments	580mm		
R2.0 90mm Segments	90mm	Segments	360mm/560mm		
R2.2 90mm Segments	90mm	Segments	360mm/560mm	✓	✓
R2.5 90mm Segments	90mm	Segments	360mm/560mm	✓	✓
R2.6 140mm Segments	140mm	Segments	360mm/560mm		✓
R2.8 140mm Segments	140mm	Segments	360mm/560mm	✓	✓
R3.2 140mm Segments	140mm	Segments	360mm/560mm		
R3.4 140mm Segments	140mm	Segments	360mm/560mm		✓
R3.6 140mm Segments	140mm	Segments	360mm/560mm		

## PREMIER 100% POLYESTER THERMAL CEILING BLANKET

R1.8 115mm	115mm	Roll Form	870mm		✓
R2.4 145mm	145mm	Roll Form	870mm		✓
R2.9 175mm	175mm	Roll Form	870mm	✓	✓
R3.3 200mm	200mm	Roll Form	870mm	✓	✓
R3.6 225mm	225mm	Roll Form	870mm	✓	✓
R3.8 225mm	225mm	Roll Form	870mm		
R4.0 240mm	240mm	Roll Form	870mm	✓	✓

## PREMIER 100% POLYESTER MASONRY WALL & SERVICE CAVITY BLANKET

R1.0	45mm	Roll Form	580mm		
R1.3	45mm	Segments	360mm/560mm		

Nominal  
Thickness

Product  
Format

Standard Widths



**PREMIER 100% POLYESTER HD MID-FLOOR / SKILLION ROOF BLANKET**

	Nominal Thickness	Product Format	Standard Widths	
R2.9 Mid-Floor-Skillion Blanket 115mm	115mm	Segments	870mm	
R3.2 Mid-Floor-Skillion Blanket 140mm	140mm	Segments	870mm	
R3.4 Mid-Floor-Skillion Blanket 140mm	140mm	Segments	870mm	✓
R3.6 Mid-Floor-Skillion Blanket 140mm	140mm	Segments	870mm	
R3.2 Mid-Floor-Skillion Blanket 165mm	165mm	Segments	870mm	
R3.6 Mid-Floor-Skillion Blanket 165mm	165mm	Segments	870mm	
R3.8 Mid-Floor-Skillion Blanket 165mm	165mm	Segments	870mm	✓

**PREMIER 100% POLYESTER SUSPENDED FLOOR THERMAL INSULATION**

	Nominal Thickness	Product Format	Standard Widths		
R1.5 Retro-Fit Underfloor	100mm	Roll Form		✓	✓
R1.8 Retro-Fit Underfloor	115mm	Roll Form	450mm/ 510mm/ 600mm/	✓	✓
R2.0 Retro-Fit Underfloor	115mm	Roll Form		✓	✓
R2.6 140mm Underfloor	140mm	Roll Form	370mm/420mm		✓
R2.8 140mm Underfloor	140mm	Roll Form	370mm/420mm		✓
R3.2 140mm Underfloor	140mm	Roll Form	370mm/420mm		
R3.4 140mm Underfloor	140mm	Roll Form	370mm/420mm		✓
R3.0 165mm Underfloor	165mm	Roll Form	370mm/420mm		✓
R3.6 165mm Underfloor	165mm	Roll Form	370mm/420mm		✓
R3.8 165mm Underfloor	165mm	Roll Form	370mm/420mm		



# 100% Polyester Acoustic Insulation

	Nominal Thickness	Material Weight	Material Density	Product Format	Standard Widths
<b>PREMIER 100% POLYESTER ACOUSTIC WALL &amp; MID-FLOOR BLANKET</b>					
Acoustic Wall & Mid-Floor Blanket	90mm	1,100gsm	12.2Kg/m <sup>3</sup>	Roll Form	430mm/560mm
Acoustic IT Blanket*	90mm	1,350gsm	15.0Kg/m <sup>3</sup>	Roll Form	560mm

<b>PREMIER 100% POLYESTER ACOUSTIC METAL STUD PARTITION BLANKET</b>					
50mm Sound Blanket	50mm	735gsm	14.7Kg/m <sup>3</sup>	Roll Form	600mm
60mm Sound Blanket	60mm	750gsm	12.5Kg/m <sup>3</sup>	Roll Form	600mm
70mm Sound Blanket	70mm	900gsm	12.8Kg/m <sup>3</sup>	Roll Form	600mm
75mm Sound Blanket*	75mm	1,150gsm	15.3Kg/m <sup>3</sup>	Roll Form	600mm
120mm Sound Blanket	120mm	1,680gsm	14.0Kg/m <sup>3</sup>	Roll Form	600mm

<b>PREMIER 100% POLYESTER ACOUSTIC BAFFLE STACK</b>					
Acoustic Baffle Stack	120mm	1,000gsm	8.33Kg/m <sup>3</sup>	Roll Form	600mm

	Nominal Thickness	NRC Rating	Material Density	Product Format	Standard Widths
<b>PREMIER 100% POLYESTER ACOUSTIC ABSORPTION PANELS</b>					
<i>PAB is available as White, Grey, or Black Sheets, and is Made to Order. MOQ 250m<sup>2</sup> may apply.</i>					
PAB 35-25 (875gsm)	25mm	NRC 0.70 (est.)	35Kg/m <sup>3</sup>	Panel	2400mm x 1200mm
PAB 35-50 (1,750gsm)	50mm	NRC 0.90 (est.)	35Kg/m <sup>3</sup>	Panel	2400mm x 1200mm
PAB 20-100 (2,000gsm)	100mm	NRC 0.95	20Kg/m <sup>3</sup>	Panel	2400mm x 1200mm

\*Approved for GIB Noise Control Systems



# Glasswool Insulation



## Premier 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.

Premier Glasswool is a resin-bonded thermal & acoustic insulation material made using up to 90% recycled glass, and designed for use in framed walls, ceilings, and midfloor applications in both residential and commercial construction. Our Glasswool is available in blanket and segment form.

## 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
- BRANZ Appraised and Select Eco Choice Aotearoa Certified
- 50 Year Durability Warranty
- Manufactured under ISO9001 quality systems

## Durability

Premier 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. Premier Glasswool can therefore be used for the thermal and acoustic insulation of buildings in all purpose and risk groups.

## Easy to Handle

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



Appraisal No. 509 [2019]



Licence No: 2517147





# Glasswool Thermal & Acoustic Insulation

	Nominal Thickness	Standard Widths	Material Density	Thermal Conductivity (À 50/90)		
<b>PREMIER GLASSWOOL 90mm WALL, MID-FLOOR &amp; HD CEILING BLANKETS</b>						
R2.2 Thermal & Acoustic HD Segments 70mm	70mm	580mm	24Kg/m <sup>3</sup>			
R1.8 Thermal & Acoustic Blanket 75mm*	75mm	1,200mm	12Kg/m <sup>3</sup>	0.0403 W/mK	✓	
R2.2 Thermal & Acoustic Blanket 90mm*	90mm	1,200mm	12Kg/m <sup>3</sup>	0.0399 W/mK	✓	
R2.4 Thermal & Acoustic Blanket 90mm	90mm	1,200mm	18Kg/m <sup>3</sup>	0.0375 W/mK		✓
R2.6 Thermal & Acoustic Blanket 90mm	90mm	1,200mm	24Kg/m <sup>3</sup>	0.0338 W/mK	✓	✓
R2.8 Thermal & Acoustic Blanket 90mm	90mm	1,200mm	32Kg/m <sup>3</sup>	0.0492 W/mK*	✓	✓
<b>PREMIER GLASSWOOL 140mm WALL, MID-FLOOR &amp; SKILLION ROOF</b>						
R3.2 115mm Wall-Mid-Floor-Skillion Segments	115mm	430mm	22Kg/m <sup>3</sup>	0.0354 W/mK	✓	✓
R3.2 140mm Wall-Mid-Floor-Skillion Blanket	140mm	1,200mm	11Kg/m <sup>3</sup>	0.0425 W/mK		✓
R3.6 140mm Wall-Mid-Floor-Skillion Blanket	140mm	1,200mm	16Kg/m <sup>3</sup>	0.0386 W/mK	✓	✓
R4.0 140mm Wall-Mid-Floor-Skillion Blanket	140mm	1,200mm	24Kg/m <sup>3</sup>	0.0332 W/mK*	✓	✓
R4.5 165mm Skillion Roof Segments	165mm	430mm	20Kg/m <sup>3</sup>			
<b>PREMIER GLASSWOOL CEILING BLANKETS</b>						
R3.3 Ceiling Blanket 145mm	145mm	1,200mm	12Kg/m <sup>3</sup>	0.0417 W/mK		✓
R3.6 Ceiling Blanket 155mm	155mm	1,200mm	12Kg/m <sup>3</sup>	0.0410 W/mK	✓	✓
R4.1 Ceiling Blanket 175mm	175mm	1,200mm	12Kg/m <sup>3</sup>	0.0405 W/mK	✓	✓

\*Approved for GIB Noise Control Systems

Nominal  
Thickness

Standard  
Widths

Material  
Density

Thermal  
Conductivity  
( $\lambda$  50/90)



#### PREMIER GLASSWOOL CEILING SEGMENTS

R3.6 Ceiling Segments 175mm - 430mm	175mm	430mm	8Kg/m <sup>3</sup>	0.0478 W/mK	✓	✓
R4.1 Ceiling Segments 195mm - 430mm	195mm	430mm	8Kg/m <sup>3</sup>	0.0468 W/mK	✓	✓
R5.2 Ceiling Segments 230mm - 430mm	230mm	430mm	10Kg/m <sup>3</sup>	0.0423 W/mK	✓	✓
R6.3 Ceiling Segments 260mm - 430mm	260mm	430mm	12Kg/m <sup>3</sup>	0.0412 W/mK*		✓
R7.3 Ceiling Segments 275mm - 430mm	275mm	430mm	16Kg/m <sup>3</sup>	0.0365 W/mK	✓	✓

#### PREMIER GLASSWOOL MASONRY WALL & SERVICE CAVITY BLANKET

R1.0 Masonry & Service Cavity Blanket 40mm	40mm	1,200mm	13Kg/m <sup>3</sup>	0.0405 W/mK		✓
R1.3 Masonry & Service Cavity Blanket 50mm	50mm	1,200mm	16Kg/m <sup>3</sup>	0.0385 W/mK		✓

# Design options to meet new H1 Standards

**Our Glasswool Insulation offers ceiling insulation R-Values required to meet the new standards as a single-layer. However all polyester insulation will require a double-layer install.**

Insulation and your H1 compliance method should be considered at the initial design stage. The increase in R-Value requirements means there needs to be more space to fit the insulation.

Single-layer Glasswool ceiling insulation is the simplest means for compliance to the new standards. Premier offers a R7.3 (275mm) Glasswool insulation which is BRANZ Appraised and available ex-stock.

Double-layer installs offer better performance and flexibility for designers. Specification of double-layer insulation is very important as traditional Glasswool ceiling insulation materials are made light-weight and designed to loft. Adding a layer over the top of these materials will likely affect their thickness and compromise insulation performance over time.

The bottom layer should be the same thickness as the bottom chord, ideally, high-density, and installed between the trusses.

Premier Polyester insulation is more durable and product layers can be mixed to suit the total R-Value required.



## Example Glasswool Specification for 90mm Bottom Chord:

**Premier Glasswool double-layer install:**  
Total Insulation R-Value: R7.6 at 320mm.

**Bottom layer:** Premier Glasswool R2.4 90mm to match depth of bottom chord. Install with friction fit between trusses.

**Top layer:** Premier 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.

## Example Double-Layer Polyester Specification:

**Premier 100% Polyester double-layer install:** Total Insulation R-Value: R7.2 at 380mm.

**Bottom layer:** Premier 100% Polyester R3.2 140mm. Install with friction fit between trusses.

**Top layer:** Premier 100% Polyester R4.0 240mm installed over the top and fitted around truss members to ensure no gaps. Joins between insulation layers are to be off-set to ensure full cover and reduce thermal bridging.

Refer Specifications and H1 Thermal Calculation.



For further thermal design advice and specification support, including compliance certificates using H1 Calculation and Modelling methods, please contact:

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# PREMIER INSULATION

Premier Insulation is a proud kiwi-owned and operated network servicing Northland to Bluff.

We offer direct supply, as well as professional fully installed services.

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