



PREMIER
INSULATION

Polyester Thermal Insulation DATASHEET

0800 467 855
premierinsulation.co.nz

183 Great South Road,
Ngaruawahia, New Zealand

100% POLYESTER THERMAL INSULATION DATASHEET

APPLICATION

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.

NZBC COMPLIANCE

Premier Polyester is designed for the thermal and acoustic insulation of buildings in accordance with the New Zealand Building Code (NZBC) H1 Energy Efficiency. When installed in accordance with the manufacturer's instructions, Premier Polyester will perform for a minimum of 50 years, meeting the durability clause of NZBC B2.3.1 (a). Premier meets the relevant clauses of NZBC E3 Internal Moisture, F2 Hazardous Buildings Materials and will support buildings to meet the H1 Energy Efficiency H1.3.1(a) & H1.3.2.E.

Premier Polyester must be:

- Installed and maintained in a dry protected environment
- Installed in a building where provisions of NZBC E2 and E3 are met
- Installed to the requirements of NZS 4246:2016: Energy Efficiency-Installing bulk thermal Insulation in Residential Building.
- Premier Insulation should not be crushed, folded, or compressed.

KEY FEATURES

- Manufactured using 100% polyester fibres and contain a minimum 45% previously recycled fibre.
- Moisture and vermin resistant
- Non-toxic, non-allergenic, non-irritant, soft and safe to touch
- Made in NZ and designed for New Zealand buildings
- BRANZ Appraised & ECNZ Certified
- 50 Year Durability Warranty

ENVIRONMENTAL

Environmental Choice NZ provides a credible and independent standard to guide people who want to purchase and use products that are proven to be better for the environment. At the foundation of Environmental Choice are the technical specifications it develops, setting the most stringent, up to date standards for environmental compliance in business. New Zealand companies who can meet or exceed these specifications are permitted to display the ECNZ mark, widely recognised by New Zealanders as a badge of environmental leadership.

Environmental Choice operates to internationally recognised standards and principles, and is a member of the Global Ecolabelling Network, which links a world of environmentally preferable products and services.

Premier is proud to carry Environmental Choice NZ certification for selected Polyester Thermal & Acoustic Insulation products. All Premier 100% Polyester insulation products are manufactured in the same environmentally considerate way.

NZGBC GreenStart & HomeStar

Premier 100% Polyester insulation can support a buildings ability to meet the GreenStar & HomeStar accreditation. The specification and use of Premier Polyester insulation will support all available 'points' for insulation materials. For specification or technical support please contact our Technical Team on 0800 467 855, or email support@Premierinsulation.co.nz

PREMIER INSULATION



50 YEAR WARRANTY

PIL Group Limited takes pride in offering a 50-year Manufacturer's Durability Warranty for all polyester thermal and acoustic insulation under the Premier brand. This warranty assures the durability of the insulation material when installed in compliance with the manufacturer's installation instructions and NZ4246: Energy Efficiency - Installing insulation in residential buildings.

BRANZ APPRAISAL

Premier Polyester Insulation range is BRANZ Appraised (Appraisal 1097 (2019)). A BRANZ Appraisal is a robust, in-depth and independent evaluation of a building product or system to assess its fitness for purpose and compliance with Building Code performance requirements.

INSTALLATION

It is recommended that all insulation be installed in accordance with the manufacturer's instructions and NZS 4246 Energy Efficiency - Installing Insulation in Residential Buildings. Please refer to individual product installation instructions available from our website.

Drained Cavity Wall Construction

Drained cavity wall construction with stud spacings greater than 450mm requires stud straps to prevent insulation bulging into the cavity. Straps must run at 300mm centres over the wall underlay. Refer NZBC E2/AS1, 9.1.8.5 Wall Framing behind Cavities.

Double-Layer Ceiling Installations

For higher R-Value ceiling installations we recommend a 'double-layer' installation to reduce thermal bridging and heat-loss through timber construction. Premier polyester will support multiple layers allowing performance flexibility. The bottom layer of insulation should be installed between the trusses. The second (top) layer should be installed tight around the trusses with joints off-set to the bottom layer of insulation. This will ensure a full cover of insulation and reduce heat-loss through timber construction.

ACOUSTIC PERFORMANCE

Premier 100% Polyester insulation will assist sound reduction by reducing the resonating noise inside the construction cavity. Performance will vary with different construction systems. The Premier brand offers a range of specialist acoustic products. Please visit our website for more information. For acoustic design assistance, please get in touch with our team.

SPECIFICATIONS & TECHNICAL SUPPORT

Premier specification documents are available from our website.

For specification or technical support please contact our Technical Team on 0800 467 855, or email support@premierinsulation.co.nz

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100% POLYESTER THERMAL INSULATION RANGE

R-Value	Product Range	Nominal Thickness (mm)	Insulation Size (mm)	Pieces per Pack	m2 per pack
PREMIER THERMAL CEILING BLANKET					
R1.8	Premier 100% Polyester Ceiling Blanket	115mm	870mm x 11.5 LM	2 Rolls	20.0m2
R2.4	Premier 100% Polyester Ceiling Blanket	145mm	870mm x 8.62 LM	2 Rolls	15.0m2
R2.6	Premier 100% Polyester Ceiling Blanket	140mm	870mm x 8.62 LM	2 Rolls	15.0m2
R2.9	Premier 100% Polyester Ceiling Blanket	175mm	870mm x 8.62 LM	2 Rolls	15.0m2
R3.3	Premier 100% Polyester Ceiling Blanket	200mm	870mm x 8.62 LM	2 Rolls	15.0m2
R3.6	Premier 100% Polyester Ceiling Blanket	225mm	870mm x 7.47 LM	2 Rolls	13.0m2
R3.8	Premier 100% Polyester Ceiling Blanket	225mm	870mm x 7.47 LM	2 Rolls	13.0m2
R4.0	Premier 100% Polyester Ceiling Blanket	240mm	870mm x 5.75 LM	2 Rolls	10.0m2
PREMIER HD SKILLION ROOF BLANKETS					
R2.9	Premier 100% Polyester HD Skillion Blanket	115mm	870mm x 1,200mm	4 Slabs	4.18m2
R3.2	Premier 100% Polyester HD Skillion Blanket	165mm	870mm x 1,200mm	4 Slabs	4.18m2
PREMIER WALL & SERVICE CAVITY/BATTEN BLANKETS					
R1.0	Premier 100% Polyester Masonry & Service Blanket	45mm	560mm x 13.39 LM	2 Rolls	15.0m2
R1.3	Premier 100% Polyester Masonry & Service Blanket	45mm	560mm x 2,400mm	5 Slabs	6.72m2
PREMIER 90MM/140MM TIMBER WALL & MID FLOOR THERMAL INSULATION SEGMENTS					
R2.0	Premier 100% Polyester Thermal Wall	90mm	360mm x 760mm	9 pcs	2.46m2
R2.0	Premier 100% Polyester Thermal Wall	90mm	560mm x 760mm	8 pcs	3.40m2
R2.2	Premier 100% Polyester Thermal Wall	90mm	360mm x 760mm	9 pcs	2.46m2
R2.2	Premier 100% Polyester Thermal Wall	90mm	560mm x 760mm	8 pcs	3.40m2
R2.5	Premier 100% Polyester Thermal Wall	90mm	360mm x 760mm	9 pcs	2.46m2
R2.5	Premier 100% Polyester Thermal Wall	90mm	560mm x 760mm	8 pcs	3.40m2
R2.6	Premier 100% Polyester Thermal Wall	140mm	360mm x 760mm	9 pcs	2.46m2
R2.6	Premier 100% Polyester Thermal Wall	140mm	560mm x 760mm	8 pcs	3.40m2
R2.8	Premier 100% Polyester Thermal Wall	140mm	360mm x 760mm	9 pcs	2.46m2
R2.8	Premier 100% Polyester Thermal Wall	140mm	560mm x 760mm	8 pcs	3.40m2
PREMIER UNDERFLOOR THERMAL BLANKET					
R1.5	Premier 100% Polyester Retro-Fit Underfloor	100mm	Width Options;450/510/600/650mm		20.00m2
R1.8	Premier 100% Polyester Retro-Fit Underfloor	115mm	Width Options;450/510/600/650mm		20.00m2
R2.0	Premier 100% Polyester Retro-Fit Underfloor	115mm	Width Options;450/510/600/650mm		20.00m2

PREMIER INSULATION

Premier Insulation is a kiwi-owned and operated insulation installer and supplier of Polyester and Glasswool Insulation since 1996. Both options provide a range of thermal and acoustic applications to suit your build requirement.

Within our partner network, we have 12 locations throughout New Zealand from Auckland to Invercargill.

Premier Insulation Main Distribution Centre

183 Great South Road,
Ngaruawahia

Premier Insulation South Island Distribution Centre

14 John Morten Place,
Rolleston, Christchurch 7614

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