

Ceiling Blanket Insulation **Product Data Sheet**

Application

NOVAtherm thermal insulation is made in New Zealand from 100% lofted thermally bonded polyester fibres. The polyester conjugate fibre used is crimped giving NOVAtherm excellent durability. NOVAtherm is designed for use in ceilings to provide thermal insulation. The air under the blanket, the air trapped in the fabric and the air inside the hollow fibres all contribute to the blanket insulation.

Product features and benefits

- All NOVAtherm products contain recycled polyester fibre made from plastic bottles.
- NOVAtherm insulation creates a healthier, more comfortable home or work environment, costing less to heat and cool.
- NOVAtherm is BRANZ appraised (durability 50 years) and performance is guaranteed for 50 years by InsulPro¹.
- Environmental Choice certification for the highest R-value product (R3.6 Ceiling Blanket). Combined product systems can deliver insulation R values in excess of R 6.0.
- NOVAtherm is safe and easy to work with. No precautions are required for handling the product. It will not cause irritation when touched, and it gives off no fumes or odours. NOVAtherm is easy to tear to length or cut with shears.
- As an added benefit, NOVAtherm will absorb noise to create a quieter environment.
- NOVAtherm is manufactured in New Zealand.

¹ InsulPro guarantee that, so long as the insulation is installed correctly and remains adequately protected, NOVAtherm and NOVAfloor will perform as well as when installed for at least 50 years.



Product range

NOVAtherm Product Range	BRANZ Appraised Appraisal No.430 [2008]	Environmental Choice Licence number 251 0069 Thermal (resistive-type) Building Insulants	Product R-value	Bale Pack Sizes			
				Nominal Thickness (mm)	Dimensions (mm)	Pieces per pack	Total Area (m2)
NOVAtherm R1.8 Ceiling	✓		1.8	115	870 x 11490	2	20
NOVAtherm R2.6 Ceiling	✓		2.6	175	870 x 8620	2	15
NOVAtherm R 2.8 Ceiling	✓		2.8	175	870 x 8620	2	15
NOVAtherm R 3.2 Ceiling	✓		3.2	200	870 x 8620	2	15
NOVAtherm R 3.6 Ceiling	✓	✓	3.6	225	870 x 7470	2	13
NOVAtherm R2.9 Skillion Roof Pad			2.9	115	560x 1200	3	2.02
NOVAtherm R2.9 Skillion Roof Pad			2.9	115	860 x 1200	5	5.16
NOVAtherm R3.2 Skillion Roof Pad			3.2	165	570 x 1200	5	3.42
NOVAtherm R3.2 Skillion Roof Pad			3.2	165	870 x 1200	4	4.18

NOVAtherm can be made in a range of R values and sizes. Contact InsulPro or your authorised distributor to discuss your requirements.

Technical details

Technical Attributes	Standard	Test Result
New Zealand Building Code		
Durability	Clause B2.3.1a) 15 years Clause B2.3.1b) 50 years	According to BRANZ Appraisal No 430 (2008) NOVATHERM will meet or contribute to meeting these provisions ¹
Internal Moisture	Clause E3.3.1	
Hazardous Building Materials	Clause F2.3.1	
Energy Efficiency	Clause H1.3.1(a) Clause H1.3.2 E	
Product Safety		
Non Toxic	OSH Health and Safety Guidelines ²	Polyester products 'non-toxic' and 'non-irritant'
Non Irritant	OSH Health and Safety Guidelines ²	
Respiratory Safe	n/a	Polyester fibres are non-respirable
Non Flammable	AS 1530 Part 3:	
	Ignitability	0 (Scale 0:20)
	Spread of Flame	0 (Scale 0:10)
	Heat Evolved	0 (Scale 0:10)
VOC Emission Safe ³	Total VOC $\leq 0.5\text{mg}/\text{m}^3$	$< 0.005\text{mg}/\text{m}^3$ ⁴
	Formaldehyde $\leq 0.06\text{mg}/\text{m}^3$	$< 0.009\text{mg}/\text{m}^3$
Glue Free	n/a	Free from all glues
Other		
Non Corrosive	NZS 4222	Alkalinity of pH 7.8
Vermin Resistant	n/a	Not a food source for vermin (and not treated)

1 Designed, used, installed and maintained in accordance with the statements and conditions of BRANZ Appraisal 430 (2008) available from www.insulpro.co.nz

2 Occupational Safety and Health Service. Health and Safety Guidelines for the Selection and Safe Handling of Synthetic Mineral Fibres. Department of Labour, 1994, p18.

3 NOVATHERM has been tested under ASTM D5116 to the limits set for insulation by CETEC PTY Ltd

4 All individual VOCs were less than their threshold limit values. Carcinogens and reproductive toxins were not identified as part of the VOCs

Specification and installation

NOVATHERM specifications are listed with Masterspec™ and at www.insulpro.co.nz

NOVATHERM must be installed according to the manufacturer's guidelines and in accordance with NZ Standard 4246 (Energy Efficiency – Installing Insulation in Residential Buildings).

For step by step installation guidelines see www.insulpro.co.nz or call InsulPro.



InsulPro

Creating better environments with NOVATHERM

- NOVATHERM helps to create more comfortable and healthy living spaces.
- A more energy efficient space will protect the environment by consuming less fossil fuels for heating and cooling.
- All NOVATHERM products contain recycled polyester fibres. The recycled fibre used by InsulPro comes 100% from recycled plastic bottles.
- Recycling plastic protects the environment by keeping the carbon content locked up in the polyester fibre and reducing landfill waste.
- NOVATHERM is made in a near zero waste production process, and is fully recyclable.
- NOVATHERM's high R-value products have Environmental Choice Certification.

For more information go to www.insulpro.co.nz or contact an InsulPro representative.



Available from T & R Interior Systems' Warehouses:

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Auckland
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/w/ www.tr-interiorsystems.co.nz

