

Mammoth™
MODERN INSULATION

50
Year Warranty*



Underfloor Insulation

APPLICATION

Mammoth™ Underfloor polyester insulation is made in New Zealand from thermally bonded polyester fibres. There are three types of Mammoth underfloor insulation products:

1. NOVAfloor - high density, friction fit airtight insulation suitable for exposed underfloors prone to high winds and extreme weather conditions
2. Multi - medium density, friction fit airtight insulation suitable for semi-enclosed underfloor in areas less likely to experience high winds and cool conditions.
3. Underfloor blanket - designed for homes with fully enclosed underfloors.

Both NOVAfloor and Multi underfloor sections are friction fitted into place, removing the requirement for staples or strapping - providing a seamless, firm fit. We recommend using an approved installers for underfloor blanket installation.





PRODUCT FEATURES AND BENEFITS



- Mammoth™ Underfloor insulation helps create a healthier, more comfortable home by reducing heat losses through the floor
- NOVAfloor and Multi airtight sections are friction fitted between floor joists and do not require mechanical fixings thus removing the risk of an electrical shock from piercing metal staples through a live electric wire
- Mammoth™ Underfloor insulation is manufactured to last. We are so confident, we provide a 50 year manufacturers warranty*.
- No precautions are required for handling Mammoth™ Underfloor products. They will not cause irritation when touched and is odourless.
- Mammoth™ Underfloor insulation will help reduce the noise of foot fall on floorboards - assists in creating a quieter environment.
- Mammoth™ NOVAfloor and Multi underfloor sections are BRANZ Appraised and performance is guaranteed for 50 years*.
- Mammoth™ products are free from any chemical binders, such as formaldehyde or insecticides.
- All Mammoth™ products are not affected by moisture.

PRODUCT RANGE

PACK SIZES

MAMMOTH™ UNDERFLOOR			PRODUCT R-VALUE	NOMINAL THICKNESS (mm)	DIMENSIONS (mm)	PIECES PER PACK	TOTAL AREA (m ²)
NOVAfloor <i>Underfloor Friction Fit Airtight insulation</i>	✓	✓	1.4 High Density	55	375 x 1200	14	6.30
	✓	✓		55	435 x 1200	14	7.31
	✓	✓		55	485 x 1200	13	7.57
	✓	✓		55	535 x 1200	11	7.06
	✓	✓		55	580 x 1200	10	6.96
Multi Underfloor sections <i>Underfloor Friction Fit Airtight insulation</i>	✓	✓	1.9 Medium Density	90	370 x 1140	16	6.75
	✓	✓		90	425 x 1140	16	7.75
	✓	✓		90	475 x 1140	14	7.58
	✓	✓		90	580 x 1140	12	7.93
Underfloor blanket insulation	✓		1.5	100	450 x 1111	4	20.00
	✓			100	510 x 13070	3	20.00
	✓			100	600 x 1110	3	20.00
	✓		1.8	115	450 x 1111	4	20.00
	✓			115	510 x 13070	3	20.00
	✓			115	600 x 1110	3	20.00

* Terms and conditions apply

TECHNICAL DETAILS

Technical Attributes	Standard	Test Result
New Zealand Building Code		
✓ Durability	Clause B2.3.1 a) 15 years Clause B2.3.1 b) 50 years	Mammoth™ Underfloor has been developed to meet the New Zealand Building Code requirements
✓ 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 ¹	Polyester products 'non-toxic' and 'non-irritant'
✓ Non Irritant	OSH Health and Safety Guidelines ¹	
✓ Respiratory Safe	n/a	Polyester fibres are non-respirable
✓ Fire Test	AS 1530 Part 3:	
	Ignitability	0 (Scale 0:20)
	Spread of Flame	0 (Scale 0:10)
	Heat Evolved	0 (Scale 0:10)
	Smoke Developed	3 (Scale 0:10)
	AS/NZS60695.2.11	Passed - Glow wire flammability test
	AS/NZS60695.11.5	Passed - Test flames (Needle-flame test)
✓ VOC Emission Safe ²	Total VOC ≤ 0.5mg/m ³ Formaldehyde ≤ 0.06mg/m ³	< 0.005mg/m ³ - level below detection ³ < 0.009mg/m ³ - level below detection
✓ Glue Free	n/a	Free from all glues
Other		
✓ Non Corrosive	AS/NZS4859.1	Alkalinity of pH 7.8
✓ Vermin Resistant	n/a	Not a food source for vermin (and not treated)

¹ Occupational Safety and Health Service. Health and Safety Guidelines for the Selection and Safe Handling of Synthetic Mineral Fibres. Department of Labour, 1994, p18.

² Mammoth™ has been tested under ASTM D5116 by Cetec Pty for low emitting products. Based on test results for a product with similar nominal weight.

³ 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

For further Mammoth™ Underfloor specifications, please contact Mammoth™ on 0800 MAMMOTH

Mammoth™ Underfloor 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 mammoth.co.nz or call Mammoth™

A SUSTAINABLE CHOICE

- All Mammoth™ products are Red List Free - Living Future Building Institute.
- Manufactured within a carboNZero certified organisation.
- Mammoth™ products contain recycled polyester fibres. The recycled fibre used by Mammoth™ comes from recycled plastic bottles.
- Recycling plastic protects the environment by keeping the carbon content locked up in the polyester fibre and reducing landfill waste.
- Mammoth™ products are made in a near zero waste production process and are fully recyclable.
- R1.4 NOVAfloor, R1.9 Multi Underfloor & Underfloor Blanket is Environmental Choice Certified

For more information go to mammoth.co.nz or contact a Mammoth™ representative



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Declare.

**Mammoth
InZone Industries Ltd.**

Final Assembly: New Zealand
Life Expectancy: 50 Years +
End of Life Options: Salvagable/Reusable in its Entirety, Recyclable

Ingredients:

Polyester Hollow Conjugate Staple Fibre (Seoul, Korea), Polyester Staple Non-Silicized Fibre (Taipei, Taiwan), Polyester Staple Fibre (Negeri, Sembilan), Finish Oils (Seoul, Koera)

Living Building Challenge Criteria:

INZ-0001 EXP: 09/01/2015
VOC Content: 0.09 mg/m³ VOC Emissions: CDPH Compliant
Declaration Status LBC Red List Free
 LBC Compliant
 Declared

www.livingfuturebuildinginstitute.com www.declareproducts.com

