Mammoth™
MODERN INSULATION

50 Year Warranty*

BRANZ Appraised
Appraisal No.802 [2014]

NEW ZEALAND MADE™

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 airlay insulation suitable for exposed underfloors prone to high winds and extreme weather conditions
2. Multi – medium density, friction fit airlay 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 airlay 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	Environmental Choice New Zealand (Licence number 2510066 Thermal (resistive-type) Building Insulants)	BRANZ Appraised (Appraisal No.802 [2014])	PRODUCT R-VALUE	NOMINAL THICKNESS (mm)	DIMENSIONS (mm)	PIECES PER PACK	TOTAL AREA (m^2)
NOVAfloor	√	√	1.4 High Density	55	375 x 1200	14	6.30
Underfloor Friction Fit Airlay insulation	√	√		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	√	√	1.9 Medium Density	90	370 x 1140	16	6.75
Underfloor Friction Fit Airlay insulation	√	√		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 11111	4	20.00
	√			100	510 x 13070	3	20.00
	√			100	600 x 11110	3	20.00
	√		1.8	115	450 x 11111	4	20.00
	√			115	510 x 13070	3	20.00
	√			115	600 x 11110	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/m3 Formaldehyde ≤ 0.06mg/m3	< 0.005mg/m3 - level below detection [3] < 0.009mg/m3 - 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™

Available from

POTTER INTERIOR SYSTEMS

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Auckland, Wellington + Christchurch

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