



Underfloor Insulation Sections

Mammoth underfloor insulation are self-supporting medium density pads that squeeze into place between joists without staples or other fixings.

Cut to a variety of widths, Mammoth® polyester underfloor insulation sections are moisture resistant, high performance options that are safer to install than stapled solutions.

PRODUCT RANGE			PACK SIZES					
			Density (kg/m3)	R-Value	Nominal thickness (mm)	Dimensions	Pieces per pack	Area per pack (m2)
Underfloor Sections	✓	✓	16.67	R 1.9	90	370mm x 1140mm	16	6.75
	✓	✓	16.67	R 1.9	90	425mm x 1140mm	16	7.75
	✓	✓	16.67	R 1.9	90	475mm x 1140mm	14	7.58
	✓	✓	16.67	R 1.9	90	580mm x 1140mm	12	7.93
		✓	15	R 2.8	140	370mm x 1140mm	10	4.21
		✓	15	R 2.8	140	425mm x 1140mm	10	4.84
		✓	15	R 2.8	140	475mm x 1140mm	10	5.41
		✓	15	R 2.8	140	580mm x 1140mm	8	5.28
Double Layer - R 1.9 x 2	✓		16.67	R 3.8	180	370mm x 1140mm	16	6.75*
	✓		16.67	R 3.8	180	425mm x 1140mm	16	7.75*
	✓		16.67	R 3.8	180	475mm x 1140mm	14	7.58*
	✓		16.67	R 3.8	180	580mm x 1140mm	12	7.93*

* **Double Layering** - Double the quantity of product is required. For instance, a 100m2 area requires 200m2 of product to achieve a double layer.

KEY FEATURES

- High performance, semi-rigid Airlay polyester sections.
- Long-lasting underfloor insulation.
- Sections can easily be cut using wide blade craft knives or specialised insulation saws.
- Easy and safer to install - simply squeezes between joists and is self-supporting.
- Non-corrosive - will not affect electrical wiring underfloor.
- Moisture resistant underfloor.
- Heat bonded - will not sag or shrink over time.
- Red List Free - no glues, resins, formaldehyde or pesticides added.
- Non-irritant and non-toxic so no precautions are required for handling the product.
- Mammoth Underfloor Sections are BRANZ appraised.
- Performance warranted for 50 years (T&Cs apply).
- Made in New Zealand by a carbonZero certified organisation.

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	Ref: BRANZ Appraisal No 802 ¹
✓ Internal Moisture	Clause E3.3.1	Ref: BRANZ Appraisal No 802 ¹
✓ Hazardous Building Materials	Clause F2.3.1	Ref: BRANZ Appraisal No 802 ¹
✓ Energy Efficiency	Clause H1.3.1(a) Clause H1.3.2 E	Ref: BRANZ Appraisal No 802 ¹
Product Safety		
✓ Non Toxic	OSH Health and Safety Guidelines ²	Polyester products are 'non-toxic'
✓ Non Irritant	OSH Health and Safety Guidelines ²	Polyester products are 'non-irritant'
✓ Respiratory Safe	n/a	Polyester fibres are non-respirable
✓ Fire Test	ISO9705	Group1S
✓ VOC Emission Safe ³	Total VOC ≤ 0.5mg/m ³ Formaldehyde ≤ 0.06mg/m ³	< 0.005mg/m ³ - level below detection ⁴ < 0.009mg/m ³ - level below detection
✓ Glue Free		Free from all glues
✓ OTHER		
✓ Non Corrosive	AS/NZS4859.1	Materials composed entirely of polyester are regarded as non-corrosive and are exempt from testing. Alkalinity of pH 7.8.
✓ Vermin Resistant		Not a food source for vermin (and not treated)

¹ Meet or contribute to these provisions when designed, used, installed and maintained in accordance with BRANZ Appraisal 802.

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

³ Mammoth has been tested under ASTM D5116. Based on test results for a product with similar nominal weight.

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

INSTALLATION & WARRANTY

Installation

Mammoth Underfloor Insulation Sections must be installed according to the manufacturer's guidelines and in accordance with NZS 4246 (Energy Efficiency - Installing Insulation in Residential Buildings). Installation Instructions for Mammoth Underfloor Insulation Sections can be found at www.mammoth.co.nz/downloads Contact us on 0800 MAMMOTH for more details.

50 Year Warranty

Mammoth Insulation has a 50 year warranty. Our product warranty covers that - so long as the insulation is installed correctly and remains adequately protected - Mammoth insulation will perform for 50 years. The warranty applies only to 100% polyester insulation products manufactured by InZone Industries Ltd and not to other composite products manufactured by InZone Industries Ltd. Read the full warranty at www.mammoth.co.nz/downloads for terms and conditions.

BRANZ Appraised

Mammoth Underfloor Insulation Sections have been tested by, and is covered by BRANZ Appraisal 802.



Correct as at 06 June 2022