



UNDERFLOOR INSULATION SECTIONS



APPLICATION

Mammoth™ polyester underfloor insulation sections are self-supporting medium density pads that squeeze into place between joists without staples or other fixings. Cut to a variety of widths, Mammoth underfloor sections are moisture resistant, high performance option that are safer to install than stapled solutions.

FEATURES & BENEFITS

- High performance, semi-rigid Airlay polyester sections.
- Long-lasting underfloor insulation.
- 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 (Ts&Cs apply).
- Made in New Zealand by a carboNZero certified organisation.

PRODUCT RANGE

PRODUCT RANGE			NRC	PRODUCT R-VALUE	NOMINAL THICKNESS (MM)	DIMENSION (MM)	PIECES PER PACK	TOTAL AREA (M2)
Underfloor Sections	✓	✓		R 1.9	90	370 x 1140	16	6.75
	✓	✓		R 1.9	90	425 x 1140	16	7.75
	✓	✓		R 1.9	90	475 x 1140	14	7.58
	✓	✓		R 1.9	90	580 x 1140	12	7.93

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 (2014) ¹
✓ Internal Moisture	Clause E3.3.1	Ref: BRANZ Appraisal No 802 (2014) ¹
✓ Hazardous Building Materials	Clause F2.3.1	Ref: BRANZ Appraisal No 802 (2014) ¹
✓ Energy Efficiency	Clause H1.3.1(a) Clause H1.3.2 E	Ref: BRANZ Appraisal No 802 (2014) 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	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 ³	Total VOC ≤ 0.5mg/m ³	< 0.005mg/m ³ - level below detection ⁴
	Formaldehyde ≤ 0.06mg/m ³	< 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 (2014)

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.

SPECIFICATION & INSTALLATION

Installation

Mammoth Underfloor Insulation Sections must be installed according to the manufacturer's guidelines and in accordance with NZ Standard NZS4246 (Energy Efficiency - Installing Insulation in Residential Buildings). Installation Instructions for Mammoth Underfloor Insulation Sections can be found at www.mammoth.co.nz/downloads For further information please contact us on 0800 MAMMOTH

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. Terms & conditions apply. Read the full warranty at www.mammoth.co.nz/downloads

Appraisal

Mammoth Underfloor Insulation Sections have been appraised by BRANZ and is covered by BRANZ Appraisal 802(2014).

™ Mammoth is a trademark of InZone Industries Limited