



WALL INSULATION SECTIONS

APPLICATION

Mammoth™ Polyester Wall Sections are semi-rigid insulation designed to be friction fitted into the wall cavity, creating a seamless, smooth fit without tucks, creases or gaps. This supports higher thermal performance. Mammoth Wall Sections are made on New Zealand's only Airlay Insulation plant - accept no substitutes.

FEATURES & BENEFITS

- Semi-rigid Airlay polyester sections.
- 100% heat-bonded polyester that won't sag or settle over time.
- Self-supporting for a smooth friction fit without creases, folds or tucks.
- Moisture resistant - in the event of leaks they continue to perform once dried out.
- Red List Free - no glues, resins, formaldehyde or pesticides added.
- Non-irritant and non-toxic - no precautions are required for handling the product.
- Mammoth Wall Insulation Sections are BRANZ appraised.

PRODUCT RANGE

PRODUCT RANGE			kg/m ³	PRODUCT R-VALUE	NOMINAL THICKNESS (MM)	DIMENSIONS	PIECES PER PACK	TOTAL AREA (M ²)
Wall Sections	✓	✓	16.67	R 1.9	90	360mm x 760mm	9	2.46
	✓	✓	16.67	R 1.9	90	560mm x 760mm	6	2.55
			60.00	R 2.0	70	360mm x 760mm	12	3.28
			60.00	R 2.0	70	560mm x 760mm	8	3.4
	✓	✓	22.22	R 2.0	90	360mm x 760mm	9	2.46
	✓	✓	22.22	R 2.0	90	560mm x 760mm	6	2.55
	✓	✓	26.67	R 2.2	90	360mm x 760mm	9	2.46
	✓	✓	26.67	R 2.2	90	560mm x 760mm	6	2.55
	✓	✓	40.00	R 2.5	90	360mm x 760mm	9	2.46
	✓	✓	40.00	R 2.5	90	560mm x 760mm	6	2.55
	✓	✓	15.00	R 2.8	140	360mm x 760mm	18	4.92
	✓	✓	15.00	R 2.8	140	560mm x 760mm	12	5.10

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 797 ¹
✓ Internal Moisture	Clause E3.3.1	Ref: BRANZ Appraisal No 797 ¹
✓ Hazardous Building Materials	Clause F2.3.1	Ref: BRANZ Appraisal No 797 ¹
✓ Energy Efficiency	Clause H1.3.1(a) Clause H1.3.2 E	Ref: BRANZ Appraisal No 797 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 797.

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

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 Wall 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 Wall Insulation Sections can be found at www.mammoth.co.nz/downloads For further information please contact Mammoth 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 Wall Insulation Sections have been appraised by BRANZ and is covered by BRANZ Appraisal 797(2014).

™ Mammoth is a trademark of InZone Industries Limited