



# 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.

## PRODUCT RANGE

PRODUCT RANGE			kg/m <sup>3</sup>	PRODUCT R-VALUE	NOMINAL THICKNESS (MM)	DIMENSIONS	PIECES PER PACK	TOTAL AREA (M <sup>2</sup> )
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
			20.70	R 3.2	140	360mm x 760mm	18	4.92
			20.70	R 3.2	140	560mm x 760mm	12	5.10

# TECHNICAL DETAILS

Technical Attributes	Standard	Test Result
<b>New Zealand Building Code</b>		
✓ Durability	Clause B2.3.1 a) 15 years Clause B2.3.1 b) 50 years	Ref: BRANZ Appraisal No 797 <sup>1</sup>
✓ Internal Moisture	Clause E3.3.1	Ref: BRANZ Appraisal No 797 <sup>1</sup>
✓ Hazardous Building Materials	Clause F2.3.1	Ref: BRANZ Appraisal No 797 <sup>1</sup>
✓ Energy Efficiency	Clause H1.3.1(a) Clause H1.3.2 E	Ref: BRANZ Appraisal No 797 <sup>1</sup>
<b>Product Safety</b>		
✓ Non Toxic	OSH Health and Safety Guidelines <sup>2</sup>	Polyester products are 'non-toxic'
✓ Non Irritant	OSH Health and Safety Guidelines <sup>2</sup>	Polyester products are 'non-irritant'
✓ Respiratory Safe	n/a	Polyester fibres are non-respirable
✓ Fire Test	ISO9705	Group1S
✓ VOC Emission Safe <sup>3</sup>	Total VOC ≤ 0.5mg/m <sup>3</sup> Formaldehyde ≤ 0.06mg/m <sup>3</sup>	< 0.005mg/m <sup>3</sup> - level below detection <sup>4</sup> < 0.009mg/m <sup>3</sup> - level below detection
✓ Glue Free		Free from all glues
<b>Other</b>		
✓ 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](http://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](http://www.mammoth.co.nz/downloads)

### Appraisal

Mammoth Wall Insulation Sections have been appraised by BRANZ and is covered by BRANZ Appraisal 797(2014).

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