





Wall Insulation Sections

Mammoth wall sections are semi-rigid polyester insulation designed to be friction fitted into the wall cavity.

Creating a seamless, smooth fit without tucks, creases or gaps, Mammoth® wall sections support higher thermal performance. providing both thermal and acoustic benefits for homes and buildings. Mammoth wall sections are made on New Zealand's only airlay insulation plant - accept no substitutes.

PRODUCT RANGE					PACK SIZES			
			Density (kg/m3)	R-Value	Nominal thickness (mm)	Dimensions	Pieces per pack	Area per pack (m2)
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

KEY FEATURES

- Semi-rigid airlay polyester sections.
- 100% heat-bonded polyester that won't sag or settle over time.
- Sections can easily be cut using wide blade craft knives or specialised insulation saws.
- 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.

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	ISO9705	Group1S (excluding R3.2 wall sections)
✓ 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.

INSTALLATION & WARRANTY

Installation

Mammoth Wall 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 Wall 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 Wall Insulation Sections have been tested by, and is covered by BRANZ Appraisal 797.



Correct as at 06 June 2022