

Mammoth™
MODERN INSULATION

50
Year Warranty



Airly Friction Fit Insulation

APPLICATION

Mammoth™ Airly polyester insulation is made in New Zealand from 100% thermally bonded polyester fibres. Its unique properties enable it to support itself within a cavity by simply squeezing into place. This seamless fit is the ultimate way to insulate - it supports higher thermal performance across the system by retaining its nominal thickness. It is suitable for floors, walls and confined ceiling spaces.

PRODUCT FEATURES AND BENEFITS



- Manufactured in sections, Mammoth Airly insulation can be friction fitted snug up against the floor. There is no need for mechanical fixings, removing the risk of electric shocks that can cause injuries or loss of life
- Mammoth™ Airly insulation helps create a healthier, warmer, more comfortable home.
- No precautions are required for handling Mammoth™ products. It will not cause irritation when touched and is odourless.
- Helps support higher thermal performance across the system.
- Mammoth™ products are free from any chemical binders, such as formaldehyde or insecticides.
- Construction R-value in walls with Mammoth™ Airly Wall sections was independently tested and proved to be higher than expected
- Mammoth™ products are not affected by moisture.
- Manufactured in New Zealand.
- Mammoth™ products are backed by a 50 year manufacturers warranty.



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PRODUCT RANGE

PACK SIZES

			PRODUCT R-VALUE	NOMINAL THICKNESS (mm)	DIMENSIONS (mm)	PIECES PER PACK	TOTAL AREA (m ²)
MAMMOTH™ AIRLAY							
NOVAfloor	✓	✓	1.4 High density	55	375, 435, 485, 535 & 580 x 1200 (Full pack details available at mammoth.co.nz)		
Multi Underfloor Sections	✓	✓	1.9 Medium density	90	370, 425, 475 & 580 x 1140 (Full pack details available at mammoth.co.nz)		
Walls		✓	1.9	90	370 x 800	8	2.37
		✓		90	580 x 800	6	2.78
		✓	2.0	90	360 x 760	9	2.46
		✓		90	560 x 760	6	2.55
		✓	2.2	90	360 x 760	9	2.46
		✓		90	560 x 760	6	2.55
		✓	2.8	140	360 x 760	18	4.92
		✓		140	560 x 760	12	5.10
Masonry Walls			1.3	45	360 x 2400	9	7.78
				45	560 x 2400	6	8.06
Skillion Roof		✓	2.9	115	560 x 1200	3	2.02
		✓		115	860 x 1200	5	5.16
		✓	3.2	165	570 x 1200	5	3.42
		✓		165	870 x 1200	4	4.18

*Terms and conditions apply

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	Mammoth™ airlay Products will meet or contribute to meeting these provisions ¹
✓ Internal Moisture	Clause E3.3.1	
✓ Hazardous Building Materials	Clause F2.3.1	
✓ Energy Efficiency	Clause H1.3.1(a) Clause H1.3.2 E	
Product Safety		
✓ Non Toxic	OSH Health and Safety Guidelines ²	Polyester products 'non-toxic' and 'non-irritant'
✓ Non Irritant	OSH Health and Safety Guidelines ²	
✓ 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	2 (Scale 0:10)
	AS/NZS 60695.2.11	Passed - Glow wire Flammability test
	AS/NZS 60695.11.5	Passed - Test flames (Needle-flame test)
✓ VOC Emission Safe	Total VOC ≤ 0.5mg/m ³ Formaldehyde ≤ 0.06mg/m ³	< 0.04mg/m ³ - level below detection ³ < 0.009mg/m ³ - level below detection
✓ Glue Free	n/a	Free from all glues
Other		
✓ Non Corrosive	AS/ NZS 4859.1	Materials composed entirely of polyester are regarded as non-corrosive and are exempt from testing. Polyester has alkalinity of PH7.8
✓ Vermin Resistant	n/a	Not a food source for vermin (and not treated)

1 Designed, used, installed and maintained in accordance with the statements and conditions of BRANZ Appraisal 797 (2012) available from www.mammoth.co.nz.

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

3 All individual VOCs were less than their threshold limit values. Carcinogens and reproductive toxins were not identified as part of the VOCs. Based on test results for a product with similar nominal weight.

SPECIFICATION AND INSTALLATION

For further Mammoth™ specifications, please contact Mammoth™ on 0800 MAMMOTH

Mammoth™ must be installed according to the manufacturer's guidelines and in accordance with NZS 4246 (Energy Efficiency - Installing Insulation in Residential Buildings).

For step by step installation guidelines see mammoth.co.nz or call Mammoth™.

A SUSTAINABLE CHOICE

- All Mammoth™ products are Red List Free - International Living Future Institute.
- Manufactured within a carboNZero certified organisation.
- Mammoth™ products contain recycled polyester fibres. The recycled fibre used by Mammoth™ comes from recycled plastic bottles.
- Recycling plastic protects the environment by keeping the carbon content locked up in the polyester fibre and reducing landfill waste.
- Mammoth™ products are made in a near zero waste production process and are fully recyclable.
- R1.4 NOVAfloor & R1.9 Multi Underfloor sections are Environmental Choice Certified.

For more information go to mammoth.co.nz or contact a Mammoth™ representative



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