



SKILLION CEILING INSULATION





APPLICATION

Mammoth Skillion Sections are designed to promote high thermal performance in modern skillion roof designs. The high density sections are made from 100% polyester with a controlled loft to ensure the required 25mm air ventilation gap to the roof is always maintained. They are Red List Free and allow a smooth crease-free friction-fit to enhance thermal performance.

FEATURES & BENEFITS

- Semi-rigid 100% Airlay polyester sections.
- Controlled loft to provide assured air-space to roof lining.
- Self-supporting, friction fit.
- Red List Free - no formaldehyde or pesticides added.
- Heat bonded - no glues or resins used in manufacture.
- Moisture resistant in the event of roof leaks. Will continue to perform once dried out.
- Safe and easy to work with.
- Non-irritant and non-toxic - no precautions are required for handling the product.
- Mammoth Skillion sections are BRANZ appraised.
- Performance warranted for 50 years.
- Made in New Zealand by a carbonZero certified organisation.

PRODUCT RANGE

PRODUCT RANGE			NRC	PRODUCT R-VALUE	NOMINAL THICKNESS (MM)	DIMENSIONS (MM)	PIECES PER PACK	TOTAL AREA (M2)
Skillion Roof Sections			✓	R 2.9	115	560 x 1200	3	2.02
			✓	R 2.9	115	860 x 1200	5	5.16
			✓	R 3.2	165	570 x 1200	5	3.42
			✓	R 3.2	165	870 x 1200	4	4.18

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	BRANZ Appraisal No 797 (2014) ¹
✓ Internal Moisture	Clause E3.3.1	BRANZ Appraisal No 797 (2014) ¹
✓ Hazardous Building Materials	Clause F2.3.1	BRANZ Appraisal No 797 (2014) ¹
✓ Energy Efficiency	Clause H1.3.1(a) Clause H1.3.2 E	BRANZ Appraisal No 797 (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 meeting these provisions when designed, used, installed and maintained in accordance with the statements and conditions of BRANZ Appraisal 797 (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.

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™ Skillion Ceiling Insulation Sections must be installed according to the manufacturer's guidelines and in accordance with NZ Standard 4246 (Energy Efficiency - Installing Insulation in Residential Buildings). Installation Instructions for Mammoth Skillion Ceiling Sections can be found at www.mammoth.co.nz 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 InsulPro and not to other composite products manufactured by InsulPro. Terms & conditions apply. Read the full warranty at www.mammoth.co.nz

BRANZ Appraised

Mammoth Skillion Roof Sections have been tested by BRANZ and is covered by BRANZ Appraisal 797.