



# NOVAhush

## Product Safety Data Sheet

### Product Names

**Mammoth** and **Mammoth NOVAhush** polyester insulation are manufactured by InZone Industries Ltd.

### Trade Names

- Mammoth Ceiling Blanket
- Mammoth Skillion Roof Sections
- Mammoth Wall Blanket
- Mammoth Wall Sections
- Mammoth Masonry Wall Sections
- Mammoth Masonry Wall Blanket
- Mammoth Underfloor Blanket
- Mammoth Underfloor Sections
- Mammoth Carpark Panel Insulation
- Mammoth NOVAhush Panel Absorber Insulation
- Mammoth NOVAhush Duct Liner Insulation
- Mammoth NOVAhush Bafflestack Insulation
- Mammoth NOVAhush Acoustic Ceiling Tiles
- Mammoth NOVAhush Acoustic Blanket

### Applications

Mammoth and Mammoth NOVAhush thermal and acoustic insulation is designed for application in residential and commercial buildings.

### Manufacturer

InZone Industries Limited  
27 Birmingham Road, East Tamaki, Auckland 2013  
Phone: (09) 273 2308, Fax (09) 273 2309  
Freephone 0800 MAMMOTH (0800 626 6684)

### Hazards Identification

*Hazard Classification:* Non hazardous

### Indoor Environment Quality (IEQ) / VOC Emissions

Mammoth Polyester Insulation products are VOC Emission Safe in that all individual VOCs were less than their threshold limit values. Mammoth insulation products are made from 100% polyester with no added pesticides, formaldehyde, glues or binders.

### Ingredients Information

Mammoth insulation products are made in New Zealand from polyester fibres that are heat bonded together. All Mammoth polyester insulation products are Red List Free and are safe and easy to work with. They will not cause irritation when touched and are chemical free – no pesticides, insecticides and formaldehyde. All our polyester insulation products are also thermally bonded which means there are no glues or bonding agents.

#### Material: Polyethylene Terephthalate (PET)

<i>Chemical formula:</i>	(C10H8O4) <sub>n</sub>
<i>CAS Registry Number:</i>	25038-59-9
<i>Odour:</i>	Odourless
<i>Melting point:</i>	250°C
<i>Service temperature:</i>	100°C
<i>Solubility in water:</i>	Insoluble

Declare is a voluntary self-disclosure programme aiming for healthier and more ecological products in construction.

Mammoth has achieved the highest certification status under the Living Building Challenge's Declare programme and are now the world's first polyester insulation products Red List Free under Declare.

**Declare.**

**Mammoth**  
InZone Industries Ltd.  
Final Assembly: New Zealand  
Life Expectancy: 50+ Years  
End of Life Options: Salvagable/Reusable in its Entirety, Recyclable (100%)

**Ingredients:**  
Polyester Hollow Conjugate Staple Fibre (Seoul, Korea), Polyester Staple Non-Silicized Fibre (Taipei, Taiwan), Polyester Staple Fibre (Negeri, Sembilan), Finish Oils (Seoul, Koera)

**Living Building Challenge Criteria:**  
INZ-1001 Exp: 03/09/2017  
VOC Content: 0.09 mg/m<sup>3</sup> VOC Emissions: CDPH Compliant  
Declaration Status:  LBC Red List Free  
 LBC Compliant  
 Declared

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INTERNATIONAL LIVING FUTURE INSTITUTE™ declareproducts.com

**Declare.**

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InZone Industries Ltd.  
Final Assembly: New Zealand  
Life Expectancy: 50+ Years  
End of Life Options: Salvagable/Reusable in its Entirety, Recyclable (100%)

**Ingredients:**  
Polyester Hollow Conjugate Staple Fibre (Seoul, Korea), Polyester Staple Non-Silicized Fibre (Taipei, Taiwan), Polyester Staple Fibre (Negeri, Sembilan), Finish Oils (Seoul, Koera), Flame Retardant Agent (Phosphate) (Seoul, Korea)

**Living Building Challenge Criteria:**  
INZ-1002 Exp: 03/09/2017  
VOC Content: 0.09 mg/m<sup>3</sup> VOC Emissions: CDPH Compliant  
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## Health Effects/Personal Protection

Mammoth polyester insulation is non-toxic, non-irritant and safe to handle. No protective clothing is required to handle the product when installing. Polyester fibres are non-respirable.

Usual personal safety requirements apply to the use of knives or saws when cutting polyester insulation.

## Fire Ratings

All Mammoth insulation products conform to the relevant provisions of clauses C1 - C6 'Protection from fire' of the New Zealand Building Code.

Product Type	PRODUCTS TESTED TO:			
	AS1530.3	AS/NZS60695.2.11	AS/NZS60695.11.5	ISO 9705
• Mammoth Ceiling Blanket	✓	✓	✓	
• Mammoth Skillion Roof Sections				*
• Mammoth Wall Blanket	✓	✓	✓	
• Mammoth Wall Sections	✓	✓	✓	
• Mammoth Masonry Wall Sections	✓			
• Mammoth Masonry Wall Blanket	✓	✓	✓	
• Mammoth Underfloor Blanket	✓	✓	✓	Group 1S
• Mammoth Underfloor Sections	✓	✓	✓	
• Mammoth Carpark Panel Insulation				
• Mammoth NOVAhush Panel Absorber				Group 1S
• Mammoth NOVAhush Duct Liner	✓			Group 1S
• Mammoth NOVAhush Bafflestack	✓			Group 1S
• Mammoth NOVAhush Ceiling Tiles	✓	✓	✓	Group 1S
• Mammoth NOVAhush Acoustic Blanket	✓			Group 1S
• Mammoth NOVAhush Wall Covering	✓	✓	✓	Group 1S
				Group 1S

## Suitable extinguishing media

Water spray, dry chemical, carbon dioxide.

*This PSDS was correct at the time of printing. You can check for the latest version of this document at [www.mammoth.co.nz/](http://www.mammoth.co.nz/) or phone 0800 MAMMOTH.*

\* Pending

## Ozone Depleting Potential

Mammoth insulation products manufactured from 100% polyester have an Ozone Depleting Potential (ODP) of zero, meaning no ozone depleting substances are present in the product or used in direct manufacture of the product.

## Storage & Transport

Avoid distortion, stretching, puncturing and damage to insulation and packaging. If Mammoth thermal insulation gets wet make sure it has dried before installation. Water ingress does not damage Mammoth insulation however installation while wet may result in water passing to other building materials and damage them. We recommend keeping the product in its packaging until required for installation.



BRANZ appraisal and Environmental Choice is applicable to selected products only. Refer to Mammoth Product Datasheets for details.