

Material Safety Data Sheet

Mammoth® Modern Insulation

Mammoth polyester insulation is made by InZone Industries Ltd, NZ's first Toitū net carbonzero certified insulation manufacturing organisation.

Mammoth product range

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

Applications

Mammoth thermal and acoustic insulation is safe and easy to install. Designed to be installed in residential and commercial buildings, Mammoth will create a warmer, healthier home or work environment.

Manufacturer

InZone Industries Ltd
27 Birmingham Road, East Tamaki, Auckland 2013
Ph: 09 273 2308
Free: 0800 Mammoth (0800 626 668)

Hazards Identification

Hazard Classification: Non hazardous and non dangerous.

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 100% polyester fibres that are thermally (heat) bonded together which means there are no glues or bonding agents.

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 glues, resins, pesticides or formaldehyde added.

Material: Polyethylene Terephthalate (PET)

Chemical formula: (C₁₀H₈O₄)_n
CAS Registry Number: 25038-59-9
Odour: Odourless
Melting point: 250°C
Service temperature: 100°C
Solubility in water: Insoluble
pH: 7.8 (pH 7 being neutral)
Max. Recommended Service Temp: 160°C
Vapour Pressure: N/A
Specific Gravity: Polyester 1.38
Flash point: N/A
Explosive limits: N/A
Moisture Absorption: less than 0.03% by weight
Relative Vapour Density: N/A
Per Cent Volatiles: Nil
Corrosiveness: Non-corrosive

Declare Red List Free

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



Declare.

Mammoth InZone Industries Ltd.

Final Assembly: Auckland, New Zealand
Life Expectancy: 50 Year(s)
End of Life Options: Salvageable/Reusable in its Entirety, Recyclable (100%)

Ingredients:
Polyester Hollow Conjugate Staple Fibre: Indium Tin Oxide Coated PET; Polyester Staple Non-Siliconized Fibre: Indium Tin Oxide Coated PET; Polyester Staple Fibre: Indium Tin Oxide Coated PET; Finish Oil: 1-Hydroxyoctadecane; 2-Ethylhexyl Palmitate; Dipotassium Hydrogenphosphate; Laureth-4 Phosphate; Potassium Dihydrogenphosphate

Living Building Challenge Criteria: Compliant

I-13 Red List:
 LBC Red List Free % Disclosed: 100% at 100ppm
 LBC Red List Approved VOC Content: Not Applicable
 Declared

I-10 Interior Performance: Exception I08-EI: Product Air Quality Testing in Oceania
I-14 Responsible Sourcing: Not Applicable

INZ-0001
EXP: 01 MAR 2023
Original Issue Date: 2015

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Declare.

Mammoth Acoustic InZone Industries Ltd.

Final Assembly: Auckland, New Zealand
Life Expectancy: 50 Year(s)
End of Life Options: Salvageable/Reusable in its Entirety, Recyclable (100%)

Ingredients:
Polyester Hollow Conjugate Staple Fibre: Indium Tin Oxide Coated PET; Polyester Staple Non-Siliconized Fibre: Indium Tin Oxide Coated PET; Polyester Staple Fibre: Indium Tin Oxide Coated PET; Finish Oil: 1-Hydroxyoctadecane; 2-Ethylhexyl Palmitate; Dipotassium Hydrogenphosphate; Laureth-4 Phosphate; Potassium Dihydrogenphosphate; Flame Retardant Agent (Phosphate): 3-Hydroxyphenylphosphoryl-Propanoic Acid

Living Building Challenge Criteria: Compliant

I-13 Red List:
 LBC Red List Free % Disclosed: 100% at 100ppm
 LBC Red List Approved VOC Content: Not Applicable
 Declared

I-10 Interior Performance: Exception I08-EI: Product Air Quality Testing in Oceania
I-14 Responsible Sourcing: Not Applicable

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Health Effects / Personal Protection

Mammoth 100% polyester insulation is non-toxic, non-irritant and is safe to use and handle. Protective clothing is not required when handling or installing Mammoth insulation. Usual personal protective equipment including cut-resistant gloves and safety glasses is recommended when using knives or saws to cut Mammoth polyester insulation products. It is advised to follow the manufacturer's use and safety instructions, and adhere to site and individual safe working practices and requirements.

First aid measures are not expected when using, handling and installing Mammoth products under normal conditions. Polyester free fibres that may be present are non-respirable. Should in any situation, Mammoth insulation be exposed to heat and fumes, move to an area of fresh air and seek medical advice if symptoms persist. Do not induce vomiting and immediately seek medical attention if for any reason a large portion of product is accidentally ingested.

Fire Ratings

For fire performance please refer to the specific Mammoth product data sheets.

Chemical Stability & Reactivity

Mammoth products are chemically stable. Hazardous reactions will not occur under normal conditions of use and storage. Avoid contact with strong acids, strong bases, or oxidising agents.

Environmental Information

Mammoth insulation has carboNZero accreditation which is independently audited for emissions and reduction plans.

Fully Recyclable

Mammoth is fully recyclable. Everything from plastic packaging to product is recyclable at all stages of life. We take clean offcuts back from the market and recycle them back into product.

Fire Hazards

Material will recede away from flame and may drip. Combustion products include carbon oxides (CO, CO₂) and hydrocarbons. Fire fighters and others exposed to combustion products are advised to wear respiratory protective equipment. Extinguishing media: water spray or fog, foam, dry chemical, carbon dioxide.

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 and 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.

Packaging as recommended by the manufacturer. Keep dry and clean. Mammoth is not classified as dangerous goods. No special transport or storage requirements are necessary. UN Number: N/A Class: N/A Hazchem Code: N/A.

Current as at June 2022. For the latest version of this document go to www.mammoth.co.nz

