Duct Insulation Liner

Mammoth Duct Liner is designed to absorb noise and thermally insulate HVAC ducts.

The polyester liner ensures the reduction of sound transfer along the duct and that air of the desired temperature is delivered at the outlets. Mammoth® Duct Liner comes in a plain white sheet or a white sheet with a black face. Mammoth Duct Liner is a semi rigid board made in New Zealand from 100% thermally bonded polyester fibres. The polyester conjugate fibre used is crimped giving excellent durability.

Mammoth's acoustic range also includes Wall Sections, Wall Blankets, Bafflestack and Panel Absorber insulation.

PRODUCT RANGE						PACK SIZES			
Mammoth Duct Liner	Density Thickness	NRC	MOQ	GSM	Airlay / Card	R-Value	Dimensions (mm)	Pieces per pack	Area per pack (m2)
White : White w Black Face	35 - 13		250	455	Card	NA	1200 x 2400	24	69.12
White : White w Black Face	35 - 25	0.70	No MOQ	875	Card & Airlay	R 0.7	1530 x 2400	12	44.06
White : White w Black Face	35 - 50	0.90	No MOQ	1750	Card & Airlay	R 1.4	1530 x 2400	6	22.03
White : White w Black Face	46 - 50		No MOQ	2300	Card	R 1.5	1530 x 2400	3	11.01
White : White w Black Face	35 - 75	1.05	250	2625	Airlay	R 2.0	1200 x 2400	4	11.52
White : White w Black Face	20 - 100	0.95	250	2000	Airlay	R 2.3	1200 x 2400	3	8.64
White : White w Black Face	40 - 100	1.05	250	4000	Airlay	R 2.7	1200 x 2400	3	8.64

Custom widths available on request - minimum order quantities apply.

KEY FEATURES

- Mammoth Duct Liner is supplied plain and can have perforated foil or plain foil applied.
- Independent testing shows that Mammoth Duct Liner gives exceptional performance at the low end frequencies (125 - 500 Hertz).
- Absorbs fan drumming noise and reduces speech transference from room to room between air conditioning outlets.
- The thermal qualities eliminates the need to insulate the exterior of the ducting.
- Mammoth Duct Liner will not shed particles (fibre fall-out) or delaminate under high air flow velocities - ensuring the airstream remains clean. Assists in absorbing noise to create a quieter environment.
- The product is not conducive to fungal bacteria growth.
- Unaffected by moisture, Mammoth insulation will continue to perform once dried out.
- Mammoth is moisture, mould and mildew resistant.
- When installed to the manufacturer's instructions it will remain in place ensuring the thermal effectiveness of the installed system.
- Safe, non-itch, odourless and non-toxic - no precautions are required for handling the product.
- Lightweight and easy to handle - can easily be cut using wide blade craft knives or specialised insulation saws.
- Heat bonded - no glues or binders that can break down so it won't sag or settle over time.
- Red List Free - no formaldehyde or pesticides added.
- NZ Green Building Council approved.
- Long lasting, Mammoth insulation is performance warranted for 90 years (T&Cs apply).
- Mammoth 100% insulation products have an Ozone Depleting Potential (ODP) of zero.
- Mammoth products are made in a zero waste production process and are fully recyclable.

TECHNICAL DETAILS

Technical Attributes	Standard	Test Result
FireTesting		
✓ Fire Test	ISO 9705	Group 1S
Product Safety		
✓ Non Toxic	OSH Health and Safety Guidelines[1]	Polyester products are 'non-toxic'
✓ Non Irritant	OSH Health and Safety Guidelines[1]	Polyester products are 'non-irritant'
✓ Respiratory Safe		Polyester fibres are non-respirable
	AS/NZS60695.2.11	Passed - Glow wire flammability test
	AS/NZS60695.11.5	Passed - Test flames (Needle-flame test)
✓ VOC Emission Safe [2]	Total VOC ≤ 0.5mg/m^2	< 0.005mg/m3 - level below detection[3]
	Formaldehyde ≤ 0.06mg/m^2	< 0.009mg/m3 - level below detection
✓ Glue Free		Free from all glues
Other		
✓ Non Corrosive		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)
✓ Odourless		Mammoth is odourless and will not absorb odours
✓ Water Vapour Sorption	ASTM C1104	0.3% - Water Vapour Sorption by weight
✓ Antifungal Efficacy	ASTM G21-96 All samples incubated at 30 C for 28 day	Growth rate: 0 (Scale 0-4)

1 Occupational Safety and Health Service. Health and Safety Guidelines for the Selection and Safe Handling of Synthetic Mineral Fibres. Dept. of Labour, 1994.
2 Mammoth has been tested under ASTM D5116. Based on test results for a product with similar nominal weight.
3 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

For Mammoth Duct Liner specification advice contact a Mammoth representative. Unless specifically required, Mammoth Duct Liner should be fixed in close contact with the duct surfaces. Edges should overlap and be sealed to prevent air gaps. Depending on duct size, Mammoth Duct Liner may require fixing using mechanical or adhesive methods. Where a vapour barrier is required, Mammoth Duct Liner should be completely sealed with 75mm aluminum tape or a suitable contact adhesive on all joints, and on penetrations such as mechanical fixings or control equipment. Installation methods outside these guidelines must be approved by the specifying engineer.

90 Year Warranty
InZone Industries Holdings Ltd (InZone) manufactures Mammoth® 100% polyester insulation products in New Zealand which are designed to provide long-lasting, durable thermal and acoustic insulation. InZone warrant that, provided the polyester insulation is installed correctly and remains adequately protected, Mammoth will perform for 90 years in the building in which it is installed. This 90 Year Manufacturer's Warranty covers insulation material durability when installed in accordance with the manufacturers installation instructions and NZ4246: Energy Efficiency - Installing insulation in residential buildings. Download our Mammoth Insulation Warranty here.

Correct as at 11 November 2026