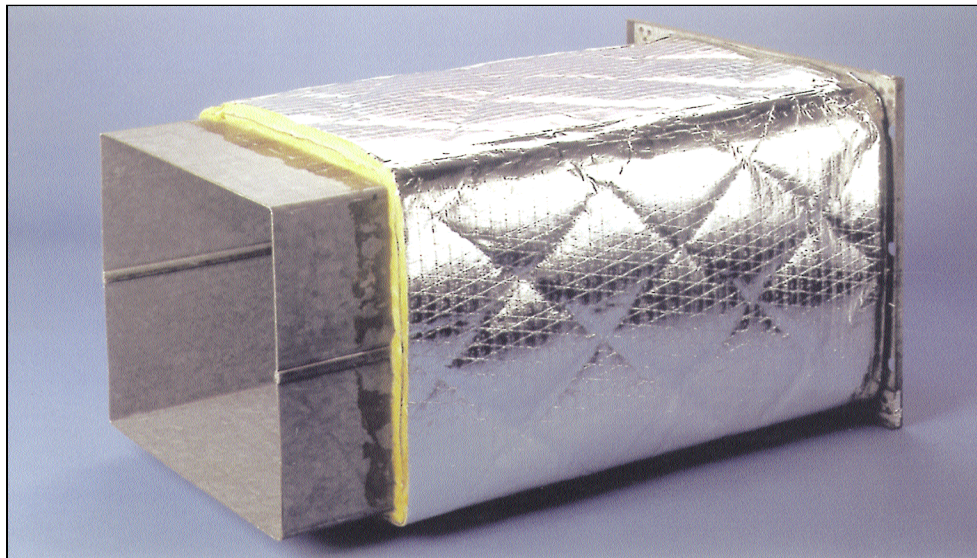


# MuftiLag

## Description

**MuftiLag Acoustic Blankets** comprise a range of composite products designed to control noise break-out from rectangular or circular ductwork and pipes by isolating noise within the duct or pipe from the outside environment.



Data Sheet  
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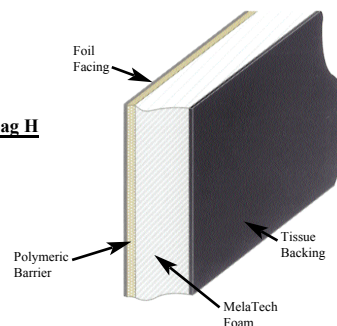
**Colour** Outer surface finish - Silver

## Design and Application

### MuftiLag H:

**MuftiLag H** is manufactured from a heavy polymeric barrier adhered to **MelaTech** foam with a black tissue facing to form a spacer layer. The polymeric barrier has a Class 'O' foil surface finish to provide a vapour check. **MuftiLag H** is designed for use in 'clean rooms' and hygienic areas and is used extensively in the medical, pharmaceutical and food and drinks industries.

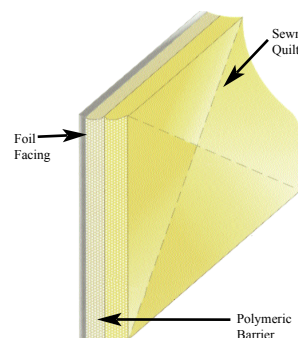
### MuftiLag H



### MuftiLag P:

**MuftiLag P** is manufactured from a heavy polymeric barrier with sewn glass fibre quilt on the inner face to form a spacer layer and a Class 'O' foil on the outer surface to provide a vapour check. **MuftiLag P** is designed for use in applications demanding lead free materials.

### MuftiLag P



## Operating Temperature

The outer face of **MuftiLag Acoustic Blankets** can withstand direct contact with temperatures up to 90°C.

## Fire Performance

**MuftiLag Acoustic Blankets** comply with the Class 'O' requirements of the Building Regulations, when tested to BS476: Part 6: 1981 and Part 7: 1987.

## Thermal Conductivity

**MuftiLag H** 0.035 W/mK @ 10°C  
**MuftiLag P** 0.037 W/mK @ 10°C

## Acoustic Performance

**Noise Breakout:** The Figures below are typical of a cross section of a 200mm circular duct.

Product	Thickness mm	Barrier Weight kg/m <sup>2</sup>	Typical Reduction in Noise Breakout dB					
			125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
MuftiLag H	12	5	1	1	8	16	18	20
	25	5	1	4	12	17	19	21
	50	5	2	6	14	18	20	23
	12	10	2	5	12	18	22	23
	25	10	4	6	16	20	24	25
	50	10	4	10	18	22	26	29
MuftiLag P	15	5	1	1	8	16	18	20
	25	5	1	4	12	17	19	21
	50	5	2	6	14	18	20	23
	15	10	2	5	12	18	22	23
	25	10	4	6	16	20	24	25
	50	10	4	10	18	22	26	29

## Sound Reduction Index

Product	Barrier Weight kg/m <sup>2</sup>	Typical Sound Reduction Index dB							
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
MuftiLag H	5	18	20	21	27	38	48	50	50
	10	19	22	24	32	44	50	50	50
MuftiLag P	5	21	21	22	21	32	45	48	44
	10	24	23	28	32	38	45	57	50

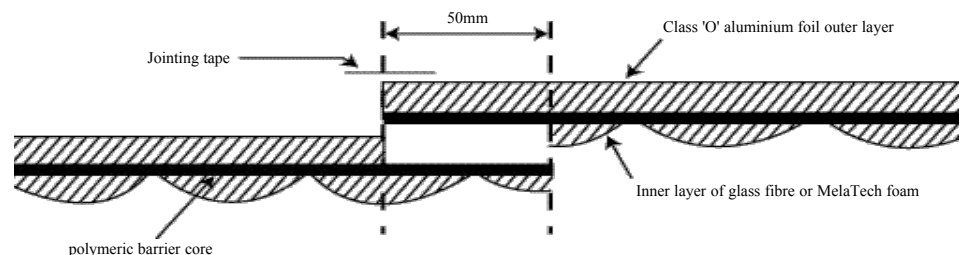
## Dimensions, Density and Weight

Product	Nominal Thickness mm	Blanket Size mm	Density of Insulation Layer kg/m <sup>3</sup>	Weight of Barrier Core kg/m <sup>2</sup>	Ordering Reference
MuftiLag H	12	2000 x 1200	9.5	5	MH 1205
	25	2000 x 1200	9.5	5	MH 2505
	50	2000 x 1200	9.5	5	MH 5005
	12	2000 x 1200	9.5	10	MH 1210
	25	2000 x 1200	9.5	10	MH 2510
	50	2000 x 1200	9.5	10	MH 5010
MuftiLag P	15	2000 x 1200	24	5	MP 1505
	25	2000 x 1200	24	5	MP 2505
	50	2000 x 1200	24	5	MP 5005
	15	2000 x 1200	24	10	MP 1510
	25	2000 x 1200	24	10	MP 2510
	50	2000 x 1200	24	10	MP 5010

## Application and Fixing

To ensure optimum acoustic performance from the application of **MuftiLag Acoustic Blankets** it is important to follow these instructions:

- 1 Wrap **MuftiLag** around the ductwork or pipe taking care to overlap the polymeric barrier core by at least 50mm. This can be achieved by paring back the glass fibre or **MelaTech** foam and exposing the barrier cores thus enabling them to be overlapped as shown in the diagram below.



- 2 Seal all joints with **MuftiLag** jointing tape to form an airtight seal.
- 3 Where more than one **MuftiLag** blanket is required to cover the area being treated, the polymeric barrier core should be overlapped along all joints as detailed above.
- 4 Carefully cut around valves, brackets and other penetrations and position **MuftiLag** tightly around all the obstructions to form an airtight seal. Cover all the joints with **MuftiLag** jointing tape. Failure to form an airtight seal could adversely effect the acoustic performance of the material.
- 5 Support **MuftiLag** around ductwork or on pipes by securing non-metallic banding at 500mm spacings or tightly wrap with wire netting.

## For Further Information

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