

Sound Lag



Description

Sound Lag L & P are two types of noise insulation blankets. They are designed to control noise breakout from ducting and pipe work by externally wrapping to contain the noise within the duct. They employ a decoupled mass technique i.e. a heavy barrier layer isolated from the duct or pipe surface by a resilient layer of insulation acting like a spring.

Sound Lag L

Sound Lag L is manufactured from two layers of glass fibre with a lead core, and a re-inforced class 0 foil, vapour barrier outer covering. The inner layer of glass fibre is quilted with a scrim backing to prevent fibre breakout. Sound Lag L is used in applications requiring a high level of thermal insulation and improved sound absorption.

Sound Lag P

Sound Lag P is a cost effective, flexible polymeric barrier mat, faced with class 0 foil vapour barrier and a non-irritant polyester fibre inner layer.

Specification

Product	Nominal Thickness	Barrier Mass	Temp Range	Flammability	Sheet size	Colour
Sound Lag L5	40mm	5kg/m ²	-30° to +150°	Class 0	2.0 x 1.2mt	Silver
Sound Lag L10	40mm	10kg/m ²	-30° to +150°	Class 0	2.0 x 1.2mt	Silver
Sound Lag P5-25	25mm	5kg/m ²	-30° to +150°	Class 0	2.0 x 1.2mt	Silver
Sound Lag P5-50	50mm	5kg/m ²	-30° to +150°	Class 0	2.0 x 1.2mt	Silver
Sound Lag P10-25	25mm	10kg/m ²	-30° to +150°	Class 0	2.0 x 1.2mt	Silver
Sound Lag P10-50	50mm	10kg/m ²	-30° to +150°	Class 0	2.0 x 1.2mt	Silver

All the above products can be supplied in different thicknesses and densities or made to customer's specifications. Please call for details.

Acoustic Performance

Indication of the typical improvement in levels of noise breakout (dB) when applied to a large cross section (200mm or more) of ductwork.

Product	Typical Reduction in Noise Breakout dB						
	63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
Sound Lag L5 and P5	3	4	1	8	16	18	20
Sound Lag L10 and P10	5	2	5	12	18	22	23

The heavier the barrier layer the better the performance at low frequency (500Hz & below). The thicker the isolation layer the better the performance at mid frequency (250Hz & above).

SOUND CONTROL SERVICES

Unit 1, White Lodge, Ab Kettleby, Melton Mowbray Leicestershire. LE14 3JB
 Tel: 01664 823704 • Fax: 01664 444800 • Web: www.soundcontrolservices.co.uk