



Pipe lagging is used as an outer treatment for rainwater pipes, pneumatic, hydraulic or air duct, etc. against the noise radiation from respective pipes or duct walls. Steam pipes can also be treated providing suitable thermal insulation is applied as first layer. The treatment significantly reduces noise breakout from these pipes or ducts to quiet area. It is particularly useful where fibre migration cannot be accepted. The material could easily be applied onto all pipes from 25mm diameter upward.

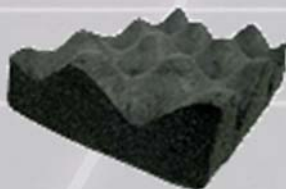
"Wilhams" Acoustic Pipe Lag

A laminate consisting of a Class O PUNF Foam, which is used as an isolating layer, and a sandwich layer of 5kg/m² density acoustic grade lead or the equivalent heavy vinyl layer. The variants which employ lead as a barrier mass are easier to apply to smaller diameter pipes. The laminates are faced with a Class O approved reinforced aluminium foil.



Physical Properties

- **Available Size** : 1200mm x 1000mm
- **Thickness** : 25mm (12mm profiled foam + 5kg/m² lead + 6mm foam)



Material Properties

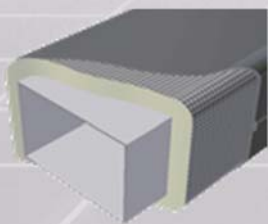
- **Sound Transmission Loss** : 26dB at 500Hz
(According to BS 2750: 1980)



Duct lagging could be used at controlling noise breakout from exposed air duct, enhancing noise insulation properties of enclosure walls, panel doors, or any other application that the original construction material insulation is not good enough to stop noise from getting into the quite side. It is a high density material that gives exceptionally high sound insulation with thin layer and is particularly good for use at space constrained application, e.g. ceiling void.

"Wilhams" WB Mineral Load PVC Barrier

A high density mono layer which composed of a thermoplastic polymer plasticised with Phthalate esters and containing mineral fillers. The material is Bitumen free and is supplied in flexible rolls or sheets.



Physical Properties

- **Available Size** : 500mm x 1200mm (Roll)
200mm x 1200mm (Sheet)
- **Density** : 5kgs / 10kgs per m2
- **Thickness** : 2mm (5kg/ m2 density)
4.5mm (10kg/ m2 density)

Material Properties

- **Sound Reduction Index (SRI)** : 22dB for WB5 at 5kg/ m2 density
28dB for WB 10 at 10kg/ m 2 density
- **Fire Rating** : Comply to BS 476 : Part 7 = Class 1 (With Aluminum Foil)
Comply to BS 476 : Part 5 = P (Bare Material)