



SILENCECORE NBR ACOUSTIC LAGGING

A high-performance acoustic insulation designed to reduce airborne noise radiating from pipes, ductwork and mechanical services.

Product Features

- Reduces pipe and duct noise breakout
- Self-adhesive for rapid installation
- Flexible foil facing for durability
- Suitable for soil pipes, HVAC and plant services

Application

- Measure the pipe diameter and cut the lagging to the required length
- Ensure a minimum 25mm overlap for effective installation and sealing
- Peel back the protective liner, align the wrap around the pipe and apply
- Remove the liner while pulling the material taut and pressing it over the surface
- Apply aluminium foil tape over joints for a continuous acoustic barrier

Description

SilenceCORE Acoustic Lagging combines a dense mineral-loaded acoustic barrier with a flexible NBR isolation layer and reinforced foil facing to deliver effective sound attenuation across a wide range of frequencies.

Manufactured using durable, flexible materials, the system is easy to install and can be wrapped directly around pipes and services on site. The foil outer facing provides additional durability and vapour resistance.

PRODUCT CHARACTERISTICS	
Composition	Aluminium foiled acoustic barrier, NBR foam, self adhesive tape
Roll Length	4.5m
Roll Width	0.5m
Total Area	2.25m ²
Thickness	5mm
Weight	6kg

Key Performance

27dB

Rw (C;Ctr) stand alone product

Tested to BS EN ISO 10140-2

Ratings derived in accordance with BS EN ISO 717

PROPERTY	VALUE
Acoustic dB Reduction	Rw (C;Ctr) = 27 dB stand alone product
Fire Rating	Tested to EN ISO 11925-2 and classified under EN 13501-1: Class D
Application Temperature	-5 deg C to +40 deg C
Service Temperature Range	-40 deg C to +95 deg C

Installation

- 1 Cut the SilenceCORE lagging to the required length with a minimum 25mm overlap.
- 2 Peel back the liner, avoid adhesive contact, align the wrap and apply.
- 3 Butt adjoining sections tightly and seal joints with aluminium foil tape.

Acoustic Performance

Designed to reduce airborne noise from pipes, ductwork and mechanical services in demanding building service applications where reliable acoustic performance is required.



Specification

CHARACTERISTICS	TYPICAL RESULT
Composition	Aluminium foiled acoustic barrier, NBR foam, self adhesive tape
Roll Length	4.5m
Roll Width	0.5m
Total m2	2.25m2
Thickness	5mm
Weight	6kg
Acoustic dB Reduction	Tested to BS EN ISO 10140-2. $R_w (C;Ctr) = 27$ dB stand alone product. Ratings derived in accordance with BS EN ISO 717
Fire Rating	Fire performance tested in accordance with EN ISO 11925-2, with classification determined under EN 13501-1: Class D.
Application Temperature	-5 deg C to +40 deg C
Service Temperature Range	-40 deg C to +95 deg C



Installation



1

Measure the pipe diameter and cut the SilenceCORE lagging to the required length, ensuring a minimum 25mm overlap for effective installation and sealing.



2

Peel back the protective liner, avoiding contact with the adhesive surface. Align the wrap around the pipe and apply. Gradually remove the liner while pulling the material taut and firmly pressing it over the entire surface.



3

Position the adjoining lagging sections tightly together around the pipe. Apply aluminium foil tape over the joint to ensure a secure seal and continuous acoustic barrier.