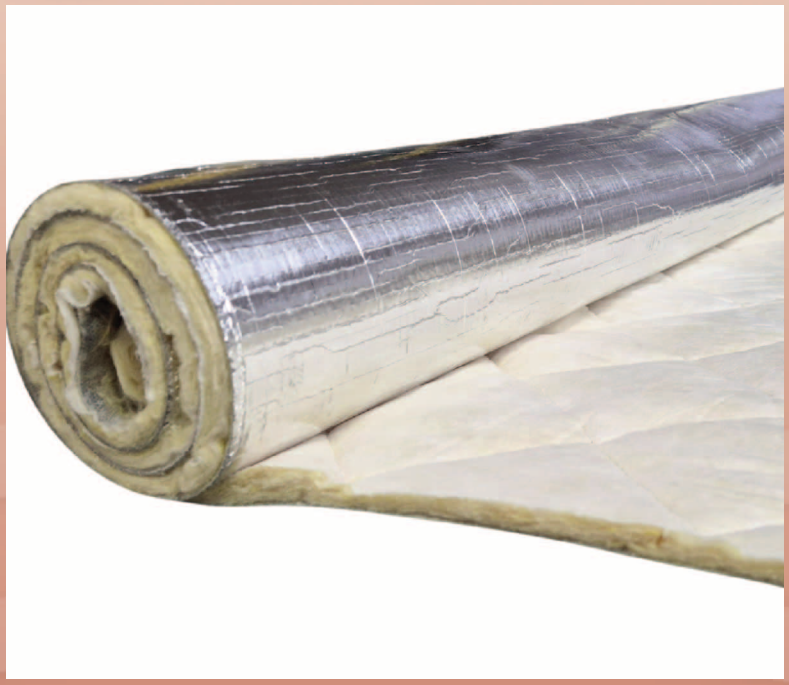
isocheck™
Silent Pipe

Issue 1.0 • October 2026

One of the isomass systems range



HIGH-PERFORMANCE LAGGING SYSTEM

- New build
- Refurbishments
- Conversions

Institute of Acoustics Sound • Noise • Vibration 1974-2024 Sponsoring Organisation

QAS International ISO 9001:2015 REGISTERED COMPANY

Taking the *mystery* out of Acoustics

DESCRIPTION

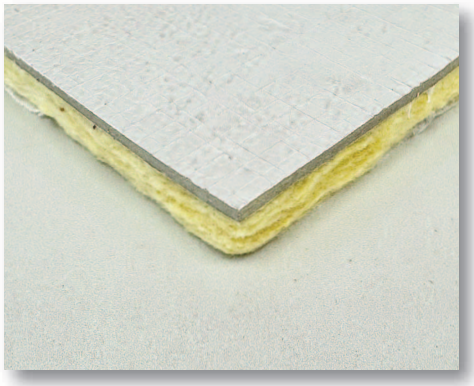
- Isocheck Silent Pipe is a high performance acoustic lagging system designed to reduce airborne noise from pipes, ductwork and mechanical services.
- Isocheck Silent Pipe consists of a 5 kg/m^2 dense acoustic barrier with a 25mm quilted glass fibre isolation layer and reinforced foil facing, helping reduce airborne noise transmission while remaining durable, flexible and easy to install directly on site.

BENEFITS

- Reduces pipe and duct noise.
- Flexible acoustic barrier
- Class 0 aluminium foil facing
- Quilted glass fibre insulation
- Dense yet highly flexible

APPLICATIONS

- Suitable for soil pipes, HVAC, plant services or similar.



isocheck™ acoustic insulating products

isocheck™

acoustic lagging system

Product data

Roll size:	2 m x 1.2 m (2.4 sq.m)
Roll thickness	Approx. 15.25 mm (Uncompressed)
Density:	Approx. 200 kg/m^3
Weight:	Nom. 5.54kg/m^2

Performance

Isocheck Silent Pipe achieves an average Sound Reduction Index of approximately 38dB. Actual performance will depend on the surface being treated, the frequency of the noise, the installation quality and the overall construction.

The fibreglass quilt also provides thermal insulation, with a stated thermal conductivity of approximately 0.033W/mK at 0°C.

Reaction to Fire Class 0 – BS 476 Parts 6 & 7

SPECIFICATION

The acoustic lagging shall be:

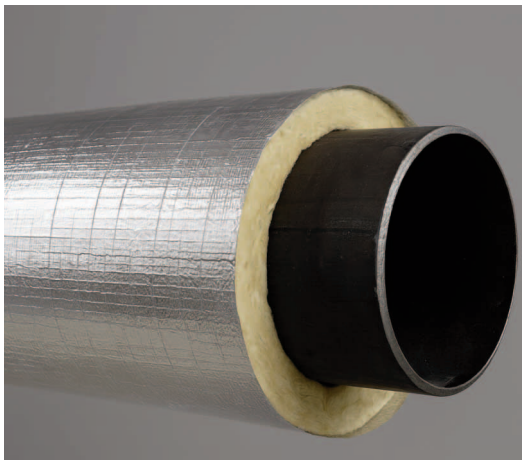
- ❑ Isocheck Silent Pipe, supplied by Isomass Ltd. Unit 14 Papworth Business Park, Stirling Way, Papworth Everard, Cambridgeshire CB23 3GY and installed in accordance with manufacturer's instructions / recommendations.

Installation

- Measure the surface: calculate the circumference and length of the pipe or ductwork, allowing additional material for joints, bends, fittings and overlaps.
- Prepare the area: ensure the surface is clean, dry and free from sharp protrusions that could damage the acoustic lagging.
- Cut the lagging: cut Silent Pipe to the required size using a suitable sharp knife and straight edge.
- Wrap the surface: position the quilted side towards the pipe, duct or panel, leaving the aluminium foil facing visible externally.
- Fit closely: form the material tightly around the treated surface without unnecessarily compressing the quilt.
- Secure the material: use suitable mechanical bands or zip ties (avoid fixings unless absolutely necessary where required to prevent movement).
- Seal the joints: close all seams, overlaps and exposed edges using self-adhesive aluminium foil tape.
- Treat fittings carefully: cut and shape separate pieces around bends, branches and junctions to maintain full acoustic coverage.
- Inspect the installation: check that there are no exposed gaps or untreated sections through which noise could escape.

Where a project requires a stated acoustic, thermal or fire performance, installation should follow the relevant project specification and manufacturer guidance.





Every effort has been taken in the preparation of this sheet to ensure the accuracy of representations contained herein. Recommendations as to the use of materials, construction details and methods of installation are given in good faith and relate to typical situations. However, every site has different characteristics and reliance should not be placed upon the foregoing recommendations. Advice can be given as to specific applications of the products, upon request to Isomass Ltd.

www.isomass.co.uk

isomass® building acoustics

Isomass Limited, Unit 14 Papworth Business Park, Stirling Way, Papworth Everard, Cambridgeshire CB23 3GY
Tel: 0330 175 8228 • **Email: info@isomass.co.uk**