glass wool pipe and duct lagging

SOUNDLAG QGW

BUILDING - INDUSTRIAL - TRANSPORT - MARINE - OIL & GAS

SOUNDPROOFING SOLUTIONS FOR ALL INDUSTRIES

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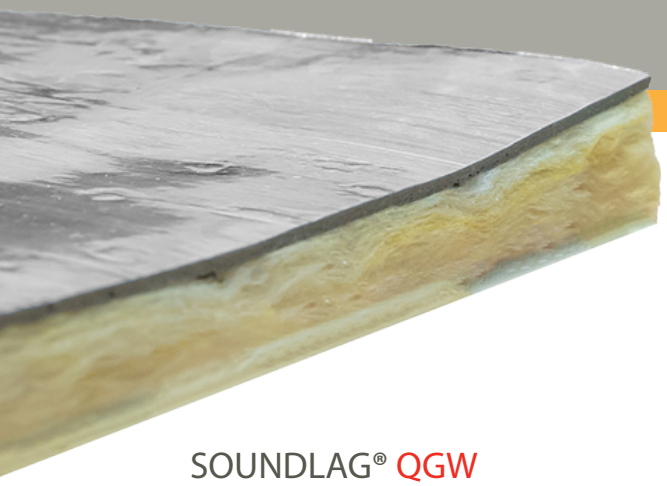
Pyrotek

No. 1 choice of leading Acoustic and MEP consultants



Class A rating - FSI=0, SDI=10 as per ASTM E84
Class 0 as per BS 476 Part 6 & 7

SOUNDLAG® QGW

The premium acoustic lagging glass wool (QGW) grade.

Soundlag® QGW is high-performance acoustic lagging product developed to reduce noise from pipes, valves, fan housings and air conditioning ducts in commercial, industrial and domestic buildings.

Soundlag is a composite product consisting of highly dense, foil faced, mass loaded vinyl, laminated to a scrim faced glass wool decoupling layer. The scrim encapsulates the glass fibres to protect from shedding. Known for broader compliance with international fire standards, Soundlag® QGW achieves FSI = 0 and SDI = 10 when tested to ASTM E84 and "Class 0" respectively in accordance with BS 476 part 6 and 7 for outer finishing layer.

Soundlag 4525 QGW 1LB achieves Rw / STC of 28 rating.

Soundlag 1025 QGW 2LB achieves Rw / STC of 34 rating for barrier layer.

Grades available: Soundlag® 3025QGW, 4525QGW, 4525QGW 1LB, 1025QGW 2LB

Customized grades and thickness available with MOQ

FEATURES

- Tested and complies to ASTM E84 to meet fire and life safety regulations.
- Class 0 protection for outer aluminium foil layer in accordance with BS 476 Part 6 and 7.
- Free from odour-producing oils and bitumen.
- Varying range of weights and thicknesses.
- Black and white foil options available for exposed ceiling spaces.
- Suitable for noise sensitive areas where construction is rated at Rw 40 or above.
- Easy to cut and install using matching Tape ALR adhesive or equivalent tape.

Recommended - Tape ALR

Reduce breakout noise from waste water pipes within commercial and residential buildings

HOW TO MEASURE AND CUT MATERIAL

For Straight Pipe Sections

Measure the length (L) and outside diameter (OD) of the pipe requiring lagging.

Apply the following formula to calculate and cut the required wrapping width (W) of Soundlag. The formula allows for a 3 to 5 percent overlap .

$W = \pi \times (OD + (2 \times T)) \times P$

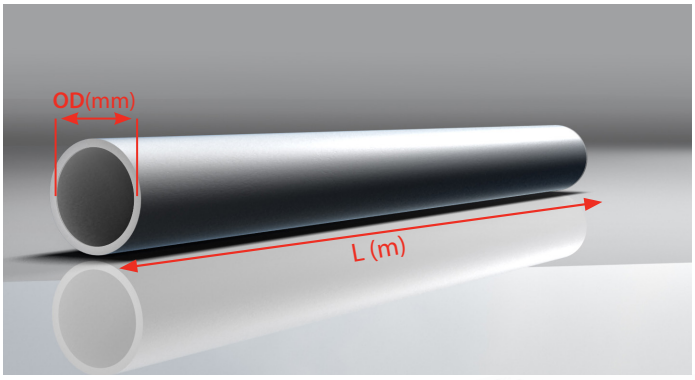
OD = outside diameter of the pipe

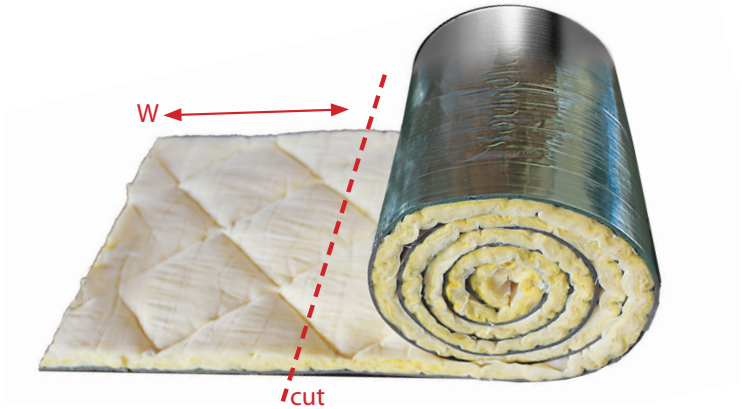
P = percentage overlap (1.03 to 1.1)

$\pi = 3.14$ (pi)

T = Total thickness of acoustic insulation (allow 20% compression on thickness when using convoluted foam or fibreglass decoupling layers.)

Mark the calculated width (W) along the length of the roll and cut material with a retractable knife or scissors.

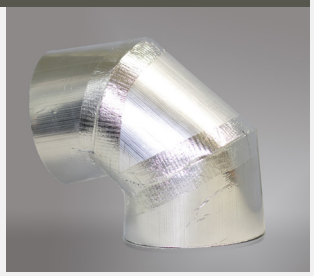




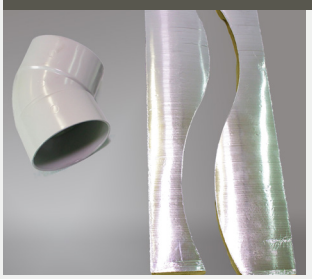
Pyrotek recommends an overlap at all joins to eliminate potential flanking noise.

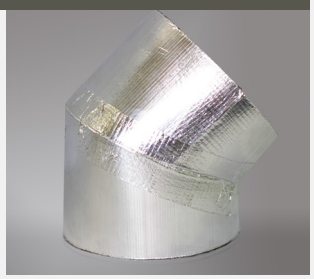
Soundlag® QGW is easily cut with a knife or scissors, then simply wrapped around the pipe using high quality aluminium tape. Remember to always cut from the foil faced barrier side of the material.

90° bend

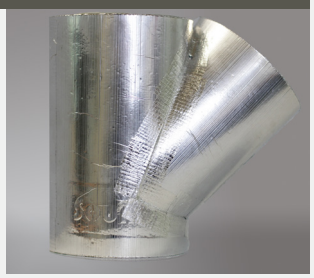


45° bend





Y junction



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