acoustic pipe and duct lagging

SOUNDLAG

BUILDING - INDUSTRIAL - TRANSPORT - MARINE - OIL & GAS

SOUNDPROOFING SOLUTIONS FOR ALL INDUSTRIES

pyroteknc.com

Pyrotek

ACOUSTIC PIPE AND DUCT LAG

Soundlag™ is a range of high-performance acoustic lagging products developed by Pyrotek to reduce waste water noise from pipes, fan housings, and ducting within building and industrial environments. Soundlag is a composite product consisting of reinforced foil faced mass loaded vinyl (MLV) and a decoupling layer of either foam or glass wool.

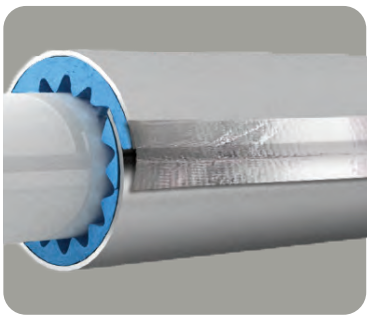
No. 1 lagging product choice for leading Hydraulic and Acoustic Engineers

The highly flexible and dense MLV layer provides outstanding sound reduction, whilst the decoupling foam breaks the vibration path between the substrate and the mass barrier. The aluminium foil covering offers flame-resistant properties, while also providing a seamless bonding surface when used with Pyrotek's Tape ALR.
Unlike other noise barriers, Soundlag's unique flexibility can be easily cut and formed to any shape or bend. The pliability achieves an excellent acoustic seal by eliminating potential flanking noise through the joints and overlaps.

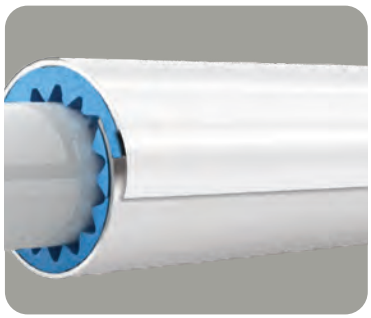
Australia made, Soundlag has been independently tested, backed with over 20 years manufacturing. Maintaining consistent performance and trustworthy quality, Soundlag guarantees quieter ducts and pipes.

FOIL FACING OPTIONS

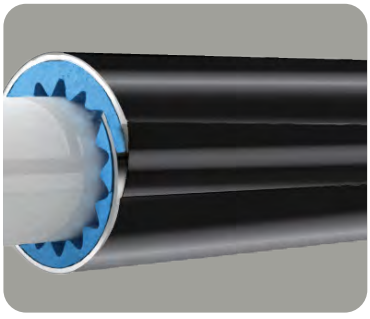
Alternative colour options to the reinforced aluminium facing are black and white foil. These anti-glare foil colours are suitable for exposed ceiling spaces.



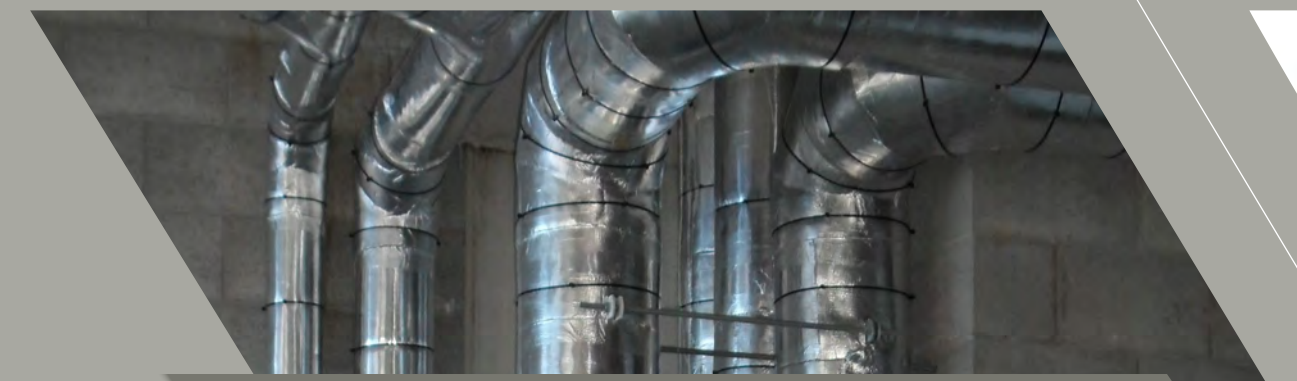
Aluminium



White



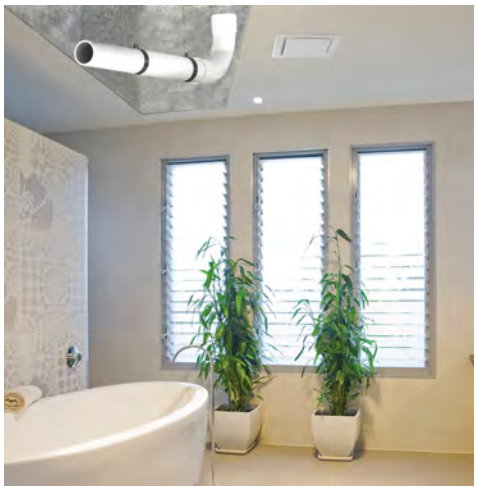
Black



Reduce waste water noise by 25 dB(A)

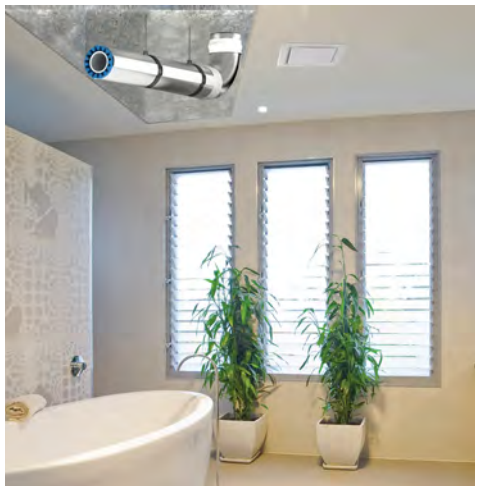
Soundlag 4525C meets Rw+Ctr 40 for habitable and Rw+Ctr 25 for non-habitable rooms

BCA Section F5.6 compliant Non-habitable room and BCA Section F5.6 compliant Habitable room



Low Noise Pipe

Does not meet BCA for non-habitable areas where penetrations exist



Lagged PVC Pipe (Soundlag)

Suitable for BCA compliance for non-habitable areas where penetrations exist

Lagged PVC Pipe (Soundlag)

Suitable for BCA compliance (habitable) with 10 mm plasterboard

Proven to achieve better noise reduction results than low noise pipes

Soundlag, quieter than Low Noise Pipes

Low Noise Pipes (LNP) is 4-5 dB(A) noisier than lagged PVC

FEATURES & BENEFITS

- Reduces noise by up to 25 dB(A)
- Easy to cut, wrap and install
- Low spread of flame surface
- Contains no ozone-depleting substances
- Free from odour producing oils and bitumen
- Accredited to ISO 9001 quality management standard
- Australian made
- Sold in over 15 countries
- Over 25 years of product development
- 25% higher acoustic performance than competitors
- Independently tested by leading acoustic consultants
- Will not delaminate or crack when wrapped around pipes and bends

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

HOW TO MEASURE AND CUT MATERIAL

Example 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

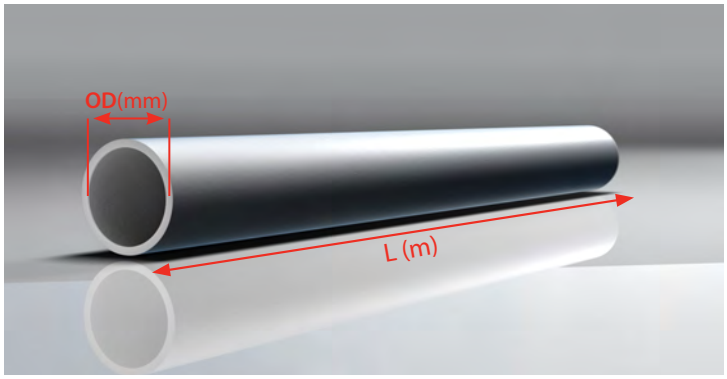
P = percentage overlap (1.03 to 1.1)

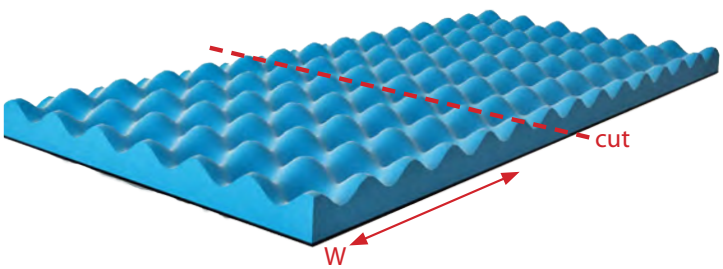
π = 3.14 (pi)

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.

Please refer to install guide for more details

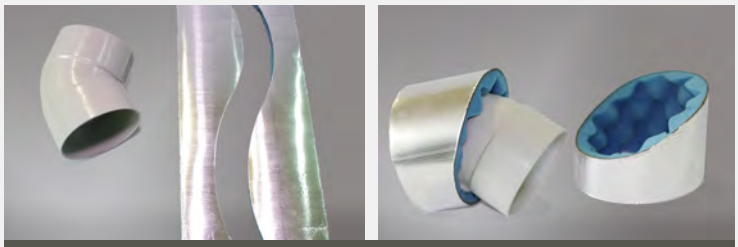




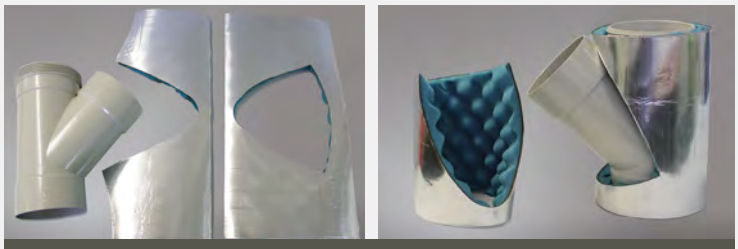
Pyrotek recommends an overlap at all joins to eliminate potential flanking noise. The removal of foam before overlapping at joints will provide a better acoustic seal and smooth surface

Soundlag™ 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.

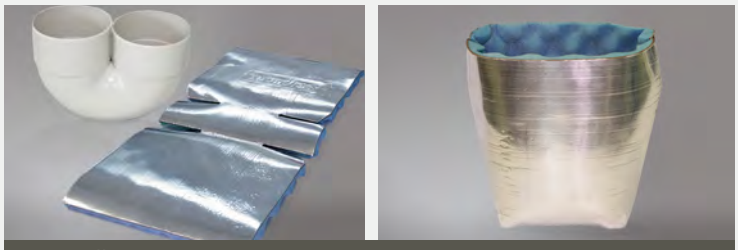
90° bend



45° bend



Y junction



Pot gully

Precut pieces are available, speak with your Pyrotek representative for more information

ACOUSTIC PERFORMANCE

Working with acoustic and hydraulic consultants and test facilities, Pyrotek has designed and tested systems to achieve a high level of noise reduction for all plumbing and duct situations.

Soundlag has been acoustically tested in field and independent laboratories.

PROVEN QUALITY

With over 20 years of manufacturing, Soundlag has proven not to crack, delaminate or cause plasticised tape failure - one of the reasons why it is the leading choice for many acoustic consultants, architects and consulting engineers worldwide.

Soundlag carries a ten year warranty and is easily recognised by the 'Soundlag' embossing.

SOUNDLAG™

Low VOC emission
exceeds Green Star rating
of <0.5 mg/m^2/h

10 YEARS

MANUFACTURER'S WARRANTY

Pyrotek®

80+ locations in 30+ countries

- six research and development centres
- five engineering centres
- global headquarters in Spokane, Washington, USA

Please visit our website at pyroteknc.com for additional information including:

- Specification
- Technical Data Sheet
- Installation Guides
- Case Studies

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Pyrotek endorse forest sustainability and the preservation of natural environment. We procure the highest quality materials from suppliers who hold FSC (Forest Stewardship Council) Certification and PEFC (Programme for the Endorsement of Forestry Certification) amongst other certification programmes.