

Sonic-Shield Presents:

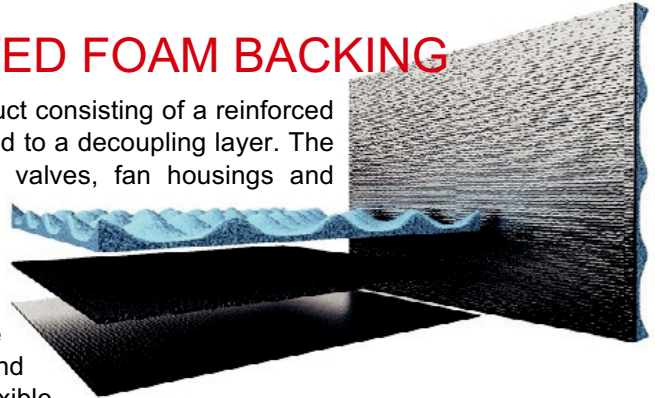


SOUNDLAG Pipe & Duct Wrap Kit

ACOUSTIC PIPE LAGGING NOISE BARRIER WITH CONVOLUTED FOAM BACKING

Soundlag® is a high-performance composite acoustic lagging product consisting of a reinforced aluminum foil faced, mass loaded flexible vinyl noise barrier bonded to a decoupling layer. The product was developed to reduce noise break-out from pipes, valves, fan housings and ductwork in commercial, industrial and domestic buildings.

The unique construction of Soundlag gives the dual benefits of a noise barrier and a noise absorber. The highly dense and flexible mass layer provides excellent sound reduction properties, while the decoupling layer breaks the vibration path between the substrate and the mass barrier, thus allowing the vinyl external wrap to remain flexible and thereby optimize its performance. The external foil facing offers a fire-resistant covering and an excellent surface to join adjacent sheets.



Soundlag is easily cut to size with a knife or scissors and installed in 3 easy steps: cut, wrap and tape.

FEATURES

- Low cost and long lasting with over 40 years' industry use
- No ozone depleting substances generated during manufacture
- This product is classed as low VOC emitting
- Reduces the noise in hydraulic and waste pipes by up to 25dB(A)
- Endorsed and tested by leading acoustic consultants and engineers combined with independent lab and field testing
- Easy to bond onto other substrates using matching Tape AGC adhesive or equivalent
- Quick and easy to install

Kit Contains:

- 1 Roll Soundlag 4525C (26" x 195") approx. 36 sq. ft.
- 1 Roll Aluminum Insulation Joining AGC Tape

APPLICATIONS

- Hydraulic and waste pipes in all locations
- Air-conditioning ducting and shrouds
- Compressor-wraps
- Spa motor wraps
- Working with acoustic consultants and test facilities, Pyrotek has designed and tested systems that achieve a high level of noise reduction for all plumbing and hydraulic situations

PRODUCT SPECIFICATIONS

PRODUCT NAME	THICKNESS (inches)	ROLL SIZES (inches)	ROLL WEIGHT (lb)	BARRIER WEIGHT (lb/sq. ft.)	THERMAL CONDUCTIVITY (W/mK)	OPERATING TEMPERATURE RANGE (°F)
Soundlag 4525C	1	26 X 195 approximately 36 sq. ft.	40	1.0	0.0476	-40 to 210 (Continuous) -40 to 250 (Intermittent)

Tolerances: Length: - 0+1"; Width: - 0+/-1/4"; Thickness: +/- 1/8"; Weight: +/- 5%

INSTALLING SOUNDLAG PIPE & DUCT WRAP

PREPARATION

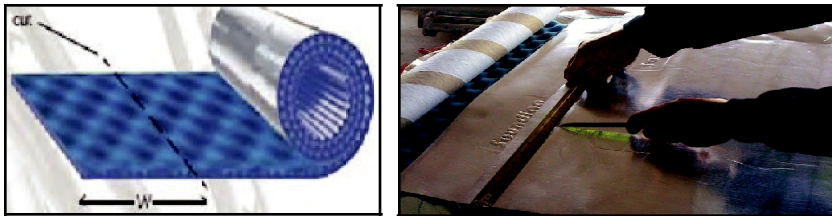
- Ensure the pipe surface is clean and dry before installing product.
- If the product has been stored for a period of time, ensure the material is clean, dry and free from oil and dirt or rips and tears.

ESSENTIALS FOR EFFECTIVE LAGGING

- Coverage of pipe by the lagging material must be continuous.
- There should be no gaps at joints or edges. The smallest of gaps at any joint will result in acoustic performance loss.
- A tight seal around all joints and edges is critical for maximum performance. Use Pyrotek's pressure sensitive, reinforced aluminum insulation tape included in the kit.
- Attention to detail and good workmanship in cutting, applying and affixing the product to the pipe is essential.

HOW TO MEASURE AND CUT MATERIAL

Straight Pipe Sections



The following table is an indicative measure of Soundlag 4525 (26" x 195" per roll) coverage on straight pipe sections.

Outside Pipe Diameter (Inches)	Actual Cut Length (Wrapping Width Inches)	Pieces per Roll (Units)	Coverage of Straight Pipe Section (Length Feet)
2	12	16	35
3	15	13	28
4	18.5	10	22
5	22	9	20
6	25	8	18

ABOUT REINFORCED ALUMINUM INSULATION JOINING TAPE

The lagging kit includes AGC tape; a high quality self-adhesive insulation joining tape. This pressure-sensitive reinforced aluminum foil tape is designed to serve as a joining or covering tape for Pyrotek's Soundlag and other foil-faced products.

HOW TO APPLY INSULATION JOINING TAPE

1. AGC tape is easy to tear by hand.
2. Remove the release liner backing.
3. Position tape centrally over the sections to be joined and firmly press along the entire tape surface.
4. Wipe or rub with firm pressure across the tape with a cloth or blade to smooth out any air bubbles or buckles.

TREATMENT OF JOINTS ON STRAIGHT PIPE SECTIONS

All joints along longitudinal pipe sections must be fitted with an overlap of adjoining material segments. Overlapped sections must then be taped and sealed with AGC tape or equivalent.

LAGGING A STRAIGHT PIPE SECTION

1. Wrap Soundlag around pipe with overlap
 2. Seal the joining longitudinal edge with AGC tape or equivalent pressure-sensitive reinforced aluminum insulation joining tape
 3. Secure lagging by taping twice around the circumference of the pipe, at 12" to 16" centers
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LAGGING SOUNDLAG ON TYPICAL PIPE BENDS

Pipe bends can be effectively lagged when the material is cut in segments, depending on the type and shape of the bend. Ensure that the cut sections of lagging are overlapped for maximum performance.

Wavebar® is a registered trademark of Pyrotek Pty. Ltd.

For other product information, technical assistance or ordering, please call
Sonic-Shield at 888-769-0766 or on-line at www.sonic-shield.com