

A photograph of an industrial interior space. The ceiling is made of dark wood planks and features several large, silver, flexible ducts and pipes. The floor is a light-colored concrete. In the background, there are brick walls with windows and a set of glass doors. The overall atmosphere is industrial and functional.

INDUSTRIAL ACOUSTICAL DUCT & PIPE LAGGING



SOUND CURTAINS.
BY SOUND SEAL



ACOUSTICAL DUCT AND PIPE LAGGING

Acoustical Lagging is wrapped around the outside of duct or pipe to reduce the radiated noise transmitting through the walls of the ductwork or piping. It is different from, and often used in conjunction with, a duct liner that is installed inside a duct to reduce noise exiting from downstream registers and vents.



ACOUSTICAL DUCT AND PIPE LAGGING

FEATURES:

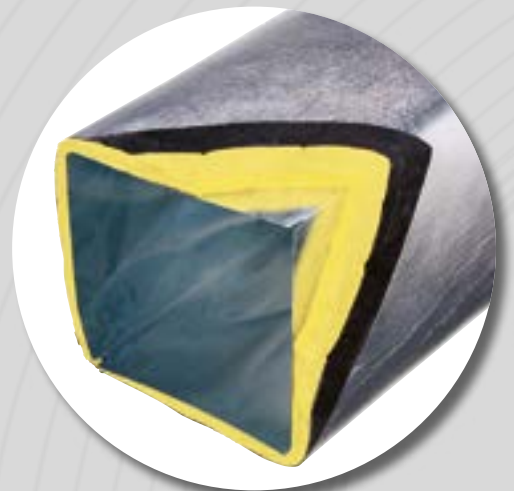
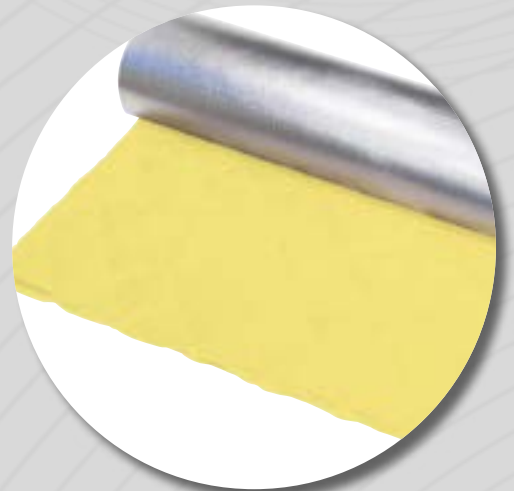
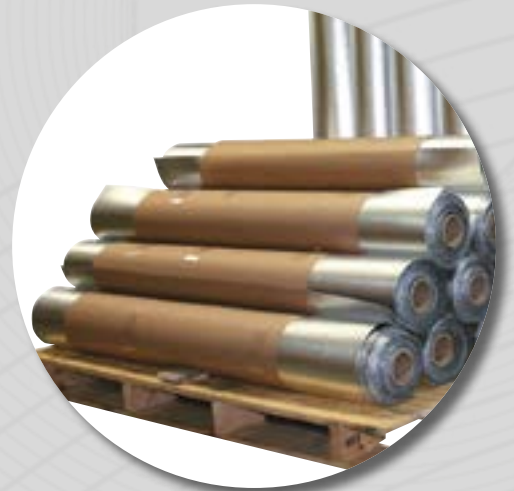
- Reinforced-foil faced mass loaded vinyl noise barrier available in 1 lb. psf & 2 lb. psf
- Quilted fibreglass decoupler available in 1" thick and 2" thick
- Acoustical ratings STC 27 – STC 34
- Easy to cut and install
- Accepts matching lag tape
- Passes UL-94 and FMVSS 302
- Class A flammability rated composite
- Roll size 54" x 30'

USED FOR WRAPPING:

- Sheet Metal Ductwork
- Valves
- VAV Units
- Heat Exchangers
- Fans / Blowers
- Iron, Steel, and PVC Piping

ROLLS MEASURE 54" X 30'

- Foil faced loaded vinyl barrier is 54" wide
- Quilted fibreglass decoupler:
 - Standard 54" wide
 - Available in 48" width for 6" built-in overlap





ACOUSTICAL LAGGING

Acoustical lagging materials are designed to reduce the transmission of radiated noise through the walls of ductwork or piping.

ACOUSTICAL LAGGING

REINFORCED-FOIL FACED NOISE BARRIER

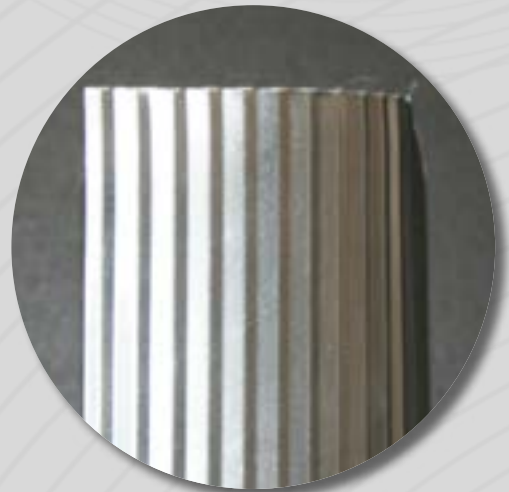
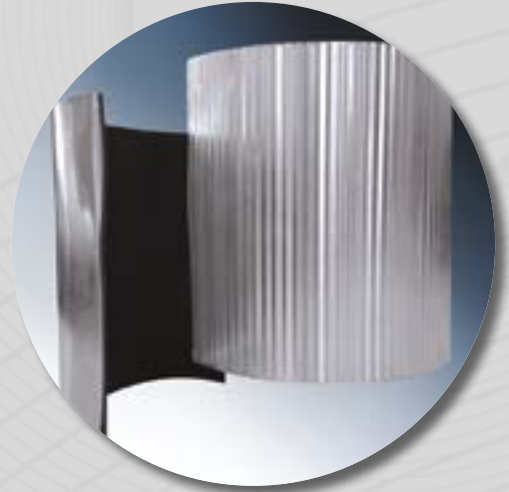
- Loaded vinyl noise barrier combines mass and flexibility to reduce the transmission of noise from one area to another.

QUILTED FIBERGLASS DECOUPLER

- Quilted Fiberglass Decoupler separates the noise barrier from the noise radiating surface for optimum noise reduction.

EASILY INSTALLED

- Reinforced-foil facing accepts a matching lag tape for easy installation.
- One step installation of the combination decoupler, noise barrier, and protective facing saves time and can substantially lower installation costs.





**OTHER SOUND CURTAIN PRODUCTS
FOR ACOUSTICAL LAGGING**

OTHER SOUND CURTAIN PRODUCTS FOR ACOUSTICAL LAGGING

ALUMALAG

Sound Seal's Alumalag products combine a 1 lb. psf loaded vinyl noise barrier with a protective aluminum jacketing.

FEATURES:

Aluminium available in a smooth, embossed, or corrugated finish in a variety of gauges.

“BBC” ACOUSTICAL COMPOSITE

Sound Seal's “BBC” acoustical composite was used as an acoustical lagging on large diameter piping at a wastewater treatment facility. The durable reinforced barrier exterior combined with the quilted fiberglass decoupler offers maximum longevity as well as a 15 dB (A) noise reduction.



SPECIFICATION PIPE AND DUCT LAGGING – B-10 LAG/QFA-3

Part 1 – GENERAL

1.1 Summary

- A. This section includes the following:
1. Acoustical lagging as supplied by Sound Seal to wrap the exterior of ductwork and/or piping where indicated on plans and drawings.

Part 2 – PRODUCTS

2.1 Acoustical pipe and duct lagging, General

- A. Acoustical pipe and duct lagging shall be a 1 lb. psf mass loaded vinyl noise barrier with a reinforced-foil facing on one side, bonded to a 1” thick non-woven porous scrim faced quilted fiberglass decoupler on the opposite side

1. Products

I. Model # B-10 LAG/QFA-3

Sound Seal
 Agawam, MA USA
www.soundseal.com
 Ph: 800-569-1294
 413-789-1770
 Fax: 413-789-2248

2. Quilted fiberglass decoupler:

- Shall be nominally 1” thick
- Shall have a nominal density of 2.0-lb/cu. ft.
- Shall be quilted with a non-woven porous scrim facing

3. Standard Width: 54 inches

4. Length: As indicated, up to 30 feet long

5. Flammability

- Class A flammability rated
- Flame Spread Index less than 15
- Smoke Density less than 20

6. Sound Transmission class: STC 29

3. Welding pins

4. Banding

2.2 Acoustical Performance:

Sound Transmission Loss: Per ASTM E 90

Octave Band Center Frequency (Hz)

125	250	500	1000	2000	4000	STC
18	18	23	30	39	46	29

2.3 Accessories for securely mounting the

Acoustical pipe and duct lagging

1. Foil lag tape
2. Stick pins

Sound Seal’s pipe and duct lagging features a 1 lb. per sq. ft. or 2 lb. per sq. ft. mass loaded vinyl noise barrier with a reinforced-foil facing on one side. Commonly bonded to a 1 inch or 2 inch thick quilted fiberglass decoupler.

- B-10 LAG (1 lb. barrier)
- B-10 LAG/QFA-3 (1 lb. barrier with 1” thick fiberglass decoupler)
- B-10 LAG/QFA-9 (1 lb. barrier with 2” thick fiberglass decoupler)
- B-20 LAG (2 lb. barrier)
- B-20 LAG/QFA-3 (2 lb. barrier with 1” thick fiberglass decoupler)
- B-20 LAG/QFA-9 (2 lb. barrier with 2” thick fiberglass decoupler)

ACOUSTICAL DATA

B-10 LAG SERIES

Featuring a 1 lb. psf reinforced-foil faced noise barrier

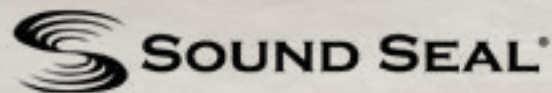
PRODUCT	SOUND TRANSMISSION LOSS (dB) FREQUENCY (Hz)						STC
	125	250	500	1000	2000	4000	
B-20 LAG	15	18	22	27	32	37	27
B-10 LAG/QFA-3	18	18	23	30	39	46	29
B-10 LAG/QFA-9	19	20	23	33	44	53	30

B-20 LAG SERIES

PRODUCT	SOUND TRANSMISSION LOSS (dB) FREQUENCY (Hz)						STC
	125	250	500	1000	2000	4000	
B-20 LAG	16	22	26	32	35	40	31
B-20 LAG/QFA-3	20	23	28	37	48	56	32
B-20 LAG/QFA-9	21	24	29	41	54	68	34

For 3-part specifications on all of our LAG products visit:

www.soundseal.com



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