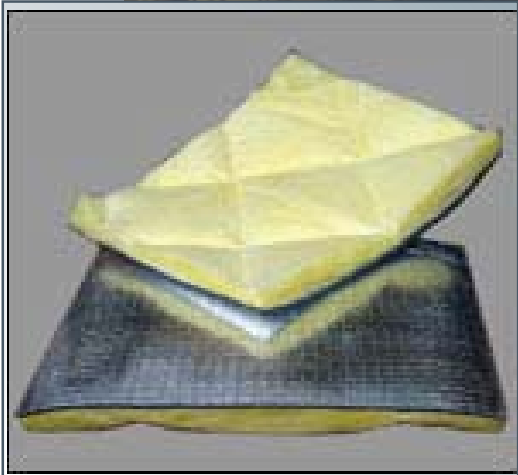




ACOUSTICAL DUCT & PIPE LAGGING



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.

FEATURES:

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

USED FOR WRAPPING:

- Drainage Pipe
- 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 fiberglass decoupler:
 - Available in 48" width for 3" built-in overlap on either side

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 on the other side.

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



OUTDOOR APPLICATIONS:

B-10 LAG/QFA-9 installed on outdoor pipes at the Water Treatment Reclamation Facility in Gwinnett County Georgia



ACOUSTICAL LAGGING

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

REINFORCED-FOIL FACED NOISE BARRIER

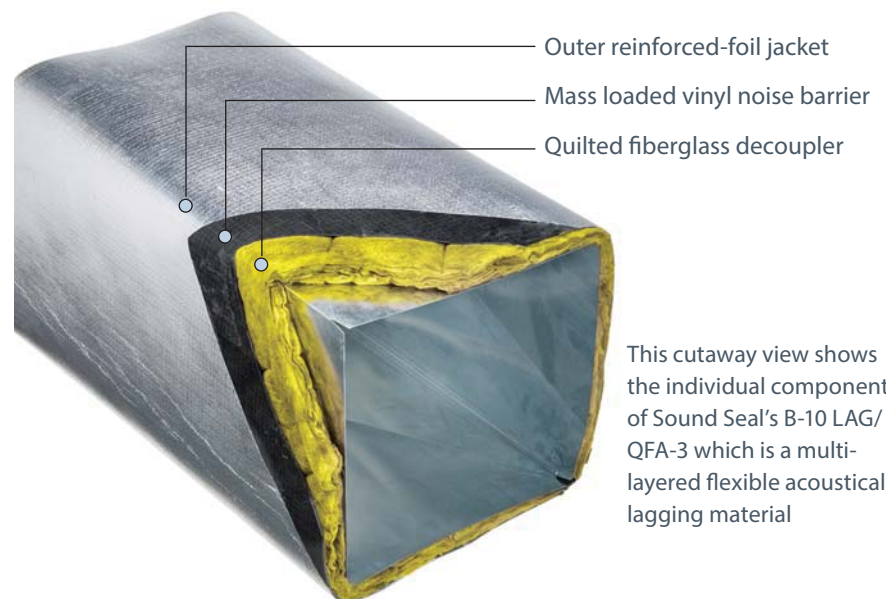
- The loaded vinyl noise barrier combines mass and flexibility to reduce the transmission of noise from one area to another

QUILTED FIBERGLASS DECOUPLER

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

EASILY INSTALLED

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



This cutaway view shows the individual components of Sound Seal's B-10 LAG/QFA-3 which is a multi-layered flexible acoustical lagging material



- Our flexible material bends easily, wrapping around ducts and pipes
- Allows for easy installation around bends, elbows and corners

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 to wrap the exterior of ductwork and/or piping

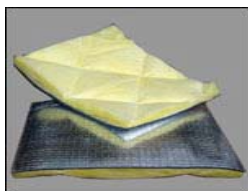
Part 2 – PRODUCTS

2.1 Acoustical pipe and duct lagging

- 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



2. Quilted fiberglass decoupler:

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

3. Standard Width: 54 inches

4. Length: up to 30 feet long

5. Flammability

- I. Class A flammability rated
- II. Flame Spread Index 15
- III. Smoke Density Index 20

6. Sound Transmission class: STC 28

2.2 Acoustical Performance:

Sound Transmission Loss: Per ASTM E 90 and E413

Octave Band Center Frequency (Hz)

<u>125</u>	<u>250</u>	<u>500</u>	<u>1000</u>	<u>2000</u>	<u>4000</u>
18	18	23	30	38	46

ACOUSTICAL DATA

B-10 LAG SERIES

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

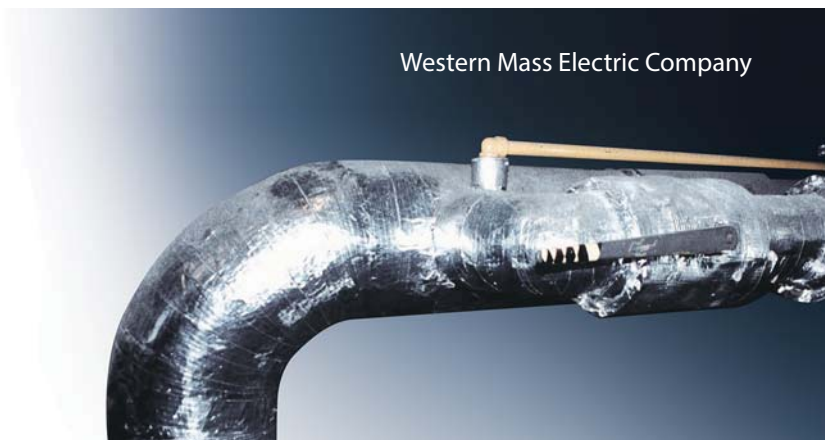
PRODUCT	SOUND TRANSMISSION LOSS (dB) FREQUENCY (Hz)						STC
	125	250	500	1000	2000	4000	
B-10 LAG/QFA-3	18	18	23	30	38	46	28
B-10 LAG/QFA-9	19	20	23	33	44	53	30

B-20 LAG SERIES

Featuring a 2 lb. psf reinforced-foil faced noise barrier

PRODUCT	SOUND TRANSMISSION LOSS (dB) FREQUENCY (Hz)						STC
	125	250	500	1000	2000	4000	
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 please visit: www.pipeandduct.com



OTHER PRODUCTS FOR ACOUSTICAL LAGGING

"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.

On the Cover - "BSC" SPECIALTY WRAP

Custom panels manufactured from Sound Seal's BSC-25 acoustical composite material sped up the installation of acoustical lagging products at a petroleum processing facility.

ALUMALAG

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



FEATURES:

- Aluminum available in a smooth, embossed, or corrugated finish in a variety of gauges



Custom fabricated BBC acoustical jacket



INDUSTRIAL

NOISE CONTROL PRODUCTS

A Division of Sound Seal



WHO IS SOUND SEAL?

Since 1978, Sound Seal has been a leader in the acoustics field, offering a complete line of soundproofing and noise control products for industrial, architectural, construction, and HVAC markets. Our product lines include:

- Sound Curtains
- Noise Barriers
- Acoustic Pipe and Duct Wraps
- Acoustical Wall Panels
- Ceiling Panels
- Wood Ceilings
- Wood Wall Panels
- Acoustical Floor Underlayments

With a wide selection of products for the soundproofing industry, and sound control solutions for every type of noise problem, our expert staff is available to advise you about product selection and installation.



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