noisecontrol all

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:

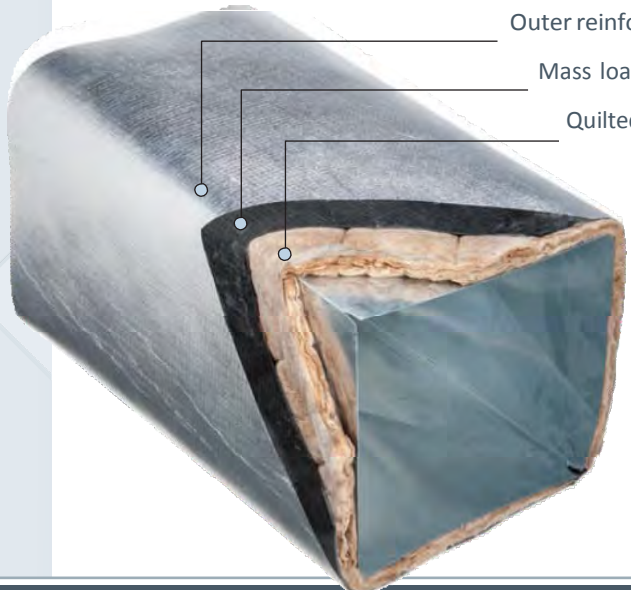
- Reinforced-foil faced mass loaded vinyl noise barrier available in 1 lb. psf & 2 lb. psf
- Quilted fiberglass decoupler available in 1" thick and 2" thick
- Acoustical ratings STC 27 – STC 34
- Easy to cut and install
- Accepts matching lag tape
- Passes UL-94 and FMVSS 302
- Class A flammability rated 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 fiberglass decoupler:
  - Standard 54" wide
  - Available in 48" width for 6" built-in overlap

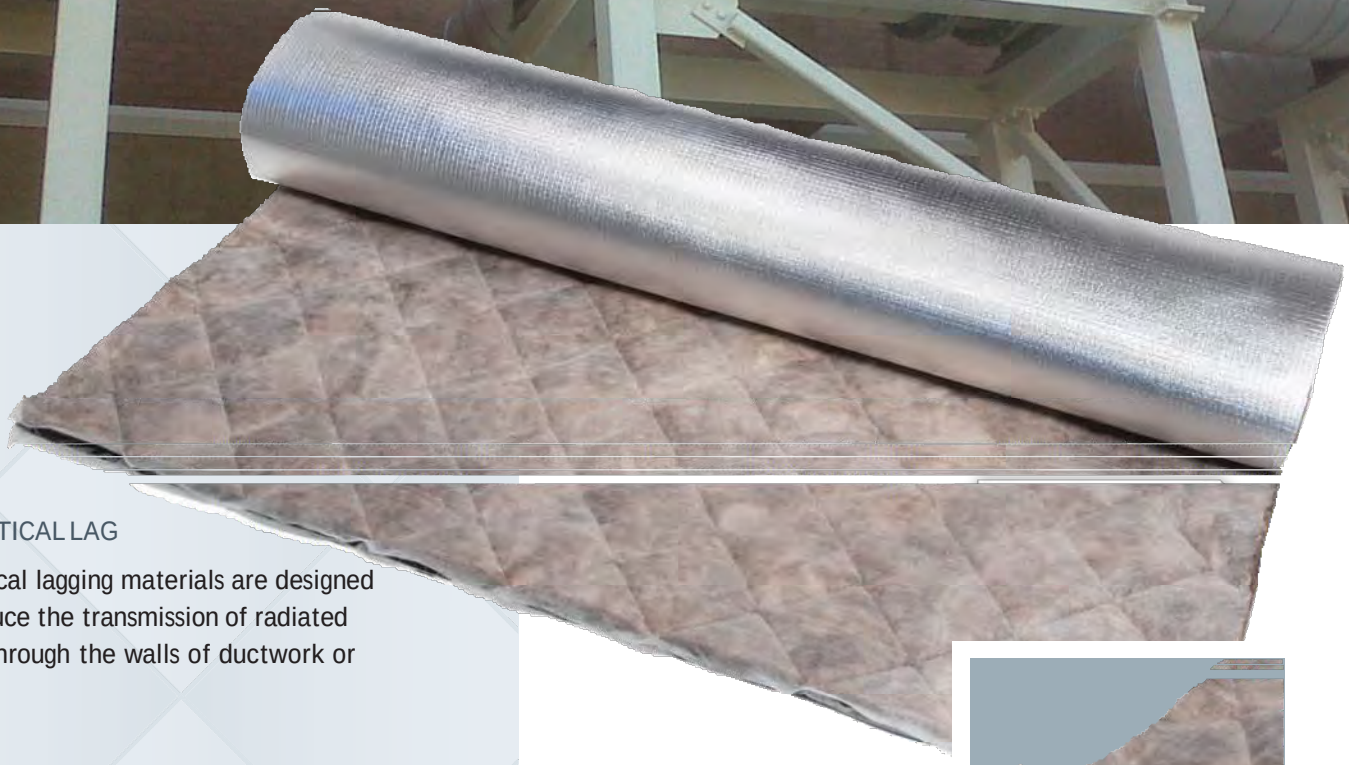


This cutaway view shows the individual components of All Noise Control's ANC-WBV LAG/ANC-QFA-3 Which is a multi-layered flexible acoustical lagging material

www.allnoisecontrol.com

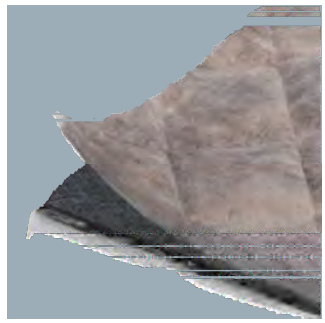
OUTDOOR APPLICATIONS:

ANC-WBV-9 installed on outdoor pipes at the Water Treatment Reclamation Facility in Gwinnett County Georgia



ACOUSTICAL LAG

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



REINFORCED-FOIL FACED NOISE BARRIER

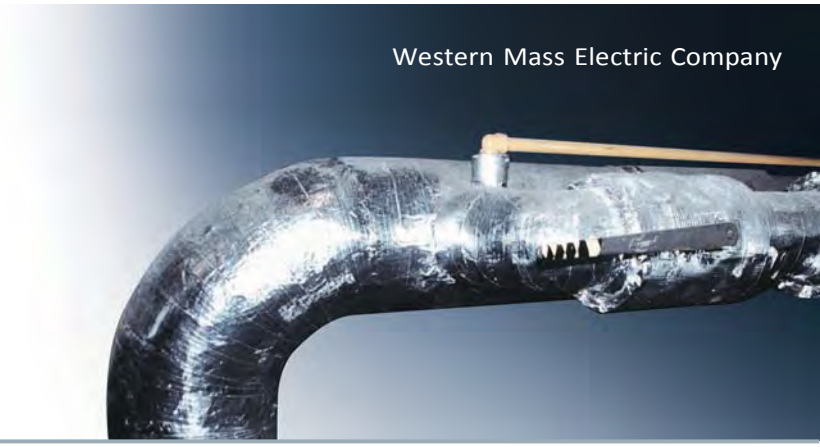
- The loaded vinyl noise barrier combines mass and flexibility to reduce the transmission of noise from one area to another

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



Western Mass Electric Company

OTHER ALL NOISE CONTROL PRODUCTS
FOR ACOUSTICAL LAGGING

"BBC" ACOUSTICAL COMPOSITE

All Noise Control'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 All Noise Control's BSC-25 acoustical composite material sped up the installation of acoustical lagging products at a petroleum processing facility.

ALUMALAG

All Noise Control's Alumalag 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

SPECIFICATION

PIPE AND DUCT LAGGING – ANC-WBV-3

Part 1 – GENERAL

1.1 Summary

A. This section includes the following:

1. Acoustical lagging as supplied by All Noise Control 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 # ANC-WBV-3

   All Noise Control
   West Palm Beach, FL
   www.allnoisecontrol.com
   Ph: 561-964-9360
   Fax: 561-964-9359
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: As indicated, up to 30 feet long
5. Flammability
   I. Class A flammability rated
   II. Flame Spread Index less than 15
   III. Smoke Density less than 20
6. Sound Transmission class: STC 29

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
3. Welding pins
4. Bandin

All Noise Control'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

- ANC-WBV (1 lb. barrier)
- ANC-WBV-3 (1 lb. barrier with 1" thick fiberglass decoupler)
- ANC-WBV/ANC-QFA-9 (1 lb. barrier with 2" thick fiberglass decoupler)
- ANC-WBV-2 LAG (2 lb. barrier)
- ANC-WBV-2 LAG/QFA-3 (2 lb. barrier with 1" thick fiberglass decoupler)
- ANC-WBV-2 LAG/ANC-QFA-9 (2 lb. barrier with 2" thick fiberglass decoupler)

ACOUSTICAL DATA

ANC-WBV 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	
ANC-WBV	15	18	22	27	32	37	27
ANC-WBV-3	18	18	23	30	39	46	29
ANC-WBV-9	19	20	23	33	44	53	30

ANC-WBV-2 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	
ANC-WBV-2	16	22	26	32	35	40	31
WBV-2/QFA-3	20	23	28	37	48	56	32
WBV-2/QFA-9	21	24	29	41	54	68	34

For 3-part specifications on all of our LAG products visit:
www.allnoisecontrol.com