



Acoustical Surfaces, Inc.

SOUNDPROOFING, ACOUSTICS, NOISE & VIBRATION CONTROL SPECIALISTS

123 Columbia Court North • Suite 201 • Chaska, MN 55318

(952) 448-5300 • Fax (952) 448-2613 • (800) 448-0121

Email: sales@acousticalsurfaces.com

Visit our Website: www.acousticalsurfaces.com

We Identify and S.T.O.P. Your Noise Problem

SPEC DATA SHEET – Composite Barrier Products

Noise S.T.O.P.™ B-20 Lag QFA-9 Pipe and Duct Wrap

B-20 Lag/QFA-9 Pipe and Duct Wrap is a composite material featuring a flexible two pound per square foot reinforced foil faced loaded vinyl noise barrier bonded to a 2" thick quilted fiberglass decoupler/sound absorber. Used to wrap noisy pipes, ducts, valves and fan housings.

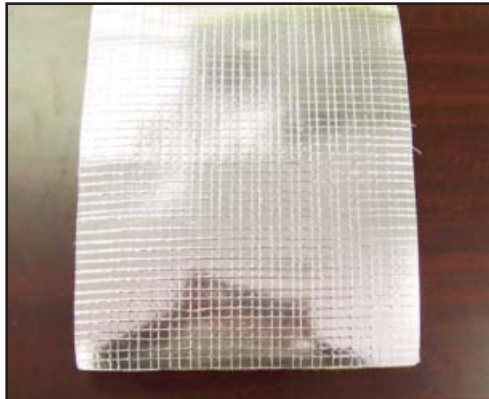
- *Standard roll is 54" wide x 30' long*
- *Extremely easy to install*
- *100% adhesion coverage between barrier and quilt*
- *Class A (or 1) flammability rating per ASTM E-84*

Applications:

Used to wrap the exterior of ducts and pipes to block the noise that transmits through its walls as air or other contents move through it. The quilted fiberglass decoupler improves the performance of the noise barrier and provides sound absorption and thermal insulation around the duct or pipe. Suitable for both indoor and outdoor applications. The reinforced-foil exterior readily accepts a matching lag tape for easy installation and also serves as a protective jacket for indoor or outdoor applications.

Product Data:

Description	Two pound per sq. ft. reinforced-foil faced loaded vinyl barrier bonded to a 2" thick, nom. 1.6 lb. density quilted fiberglass absorber
Nominal Thickness	2.0 inches
Standard width	54 inches
Roll length	30 feet
Weight	2.45 LB psf
"R" Factor	9.0.
Flammability	Smoke density index 19.5 Flame spread index 12.5
Temperature Range	-20° to +260° F



**LAG-SERIES
Flexible Noise Barriers**

Acoustical Performance:

Sound Transmission Loss

Product	OCTAVE BAND FREQUENCIES (Hz)						STC
	125Hz	250	500	1000	2000	4000	
B-20 Lag/QFA-9	21	24	29	41	54	68	34

ASTM E-90 & E 423

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Specifications:

Pipe and Duct Lagging – B-20 LAG/QFA-9

PART 1-GENERAL

1.1 Summary

A. This section includes the following:

1. Acoustical lagging as supplied to wrap the exterior of ductwork and/or piping where indicated on plans and drawings

Part 2-PRODUCTS

Acoustical pipe and duct lagging, General

A. Acoustical pipe and duct lagging shall be a 2 lb. psf mass loaded vinyl noise barrier with a reinforced-foil facing on one side, bonded to a 2" thick non-woven porous scrim faced quilted fiberglass decoupler on the opposite side

1. Products

- i. Model # B-20 LAG/QFA-9

Rendered by Manufacturer and Released to:

Acoustical Surfaces, Inc.

123 Columbia Court North, Chaska, MN 55318

2. Quilted fiberglass decoupler:

- i. Shall be nominally 2" 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 34

2.2 Acoustical Performance:

Sound Transmission Loss: Per ASTM E 90

Octave Band Center Frequency (Hz)

125	250	500	1000	2000	4000	STC
21	24	29	41	54	68	34

2.3 Accessories for securely mounting the Acoustical pipe and duct lagging

1. Foil lag tape
2. Stick pin
3. Welding pins
4. Banding