

Pipe & Duct Lagging

Section – Pipe & Duct Lagging

Part 1-GENERAL

1.1 Summary

A. This section includes the following:

1. Pipe & Duct Lagging.

1.2 Submittals

- A. Submittals: Furnish 8 ½”X11” samples
- B. Product certificates: signed by manufacturer certifying that the products furnished comply with requirements.

1.3 Quality Assurance

- A. Manufacturer Qualification: Manufacturer shall have a minimum of 5 years experience in production of specified products and shall furnish supporting documentation showing completed jobs of approximately the same size and scope.
- B. Fire test Report: Provide pipe and duct lagging with the following surface-burning characteristics as per ASTM E-84.
 - Flame spread index: less than 13
 - Smoke Density index: less than 19.5
- C. Acoustical:
 - Pipe and duct lagging should have a STC value of at least 32

1.4 Delivery, storage, and handling

- A. Protect lagging from excessive moisture when shipping, storing, and handling. Store in a dry place with adequate air circulation. Do not deliver material until all wet-work has been completed.

Part 2-PRODUCTS

2.1 Pipe & Duct Lagging, General

- A. Pipe & Duct Lagging shall weigh 2.2 lb per square foot.
 1. Products
 - a. Model # B-20 LAG/QFA-3
Sound Seal
Agawam, Ma, USA
Ph: (800) 569-1294
 2. Facing material: aluminized Mylar on barrier.
 3. Thickness: nominal 1-inch thick

4. Standard Width: 48 inches
5. Standard Length: 30 feet

2.2 Construction

- A. The lagging shall be supplied in 48" wide rolls.

2.3 Mounting

- A. Manufacturers standard accessories for securely mounting the lagging may include:
 1. Strapping
 2. Stick pins
 3. Mylar tape

2.4 Acoustical Performance

Sound Transmission Loss: Per ASTM E-90 & E-13						
Octave Band Center Frequency (Hz)						
<u>125</u>	<u>250</u>	<u>500</u>	<u>1000</u>	<u>2000</u>	<u>4000</u>	<u>STC</u>
20	23	28	37	48	56	32

2.5 Flammability Rating

- A. Lagging material shall be: Class A per ASTM E 84
 - Flame Spread Index: 12.5
 - Smoke Density Index: 19.5

Part 3-EXECUTION

3.1 Installation

- A. Install pipe and duct lagging in locations indicated. Comply with manufacturers written instructions for installation-using type of mounting accessories indicated or, if not indicated, as recommended by the manufacturer.

3.2 Cleaning

- A. Remove surplus material, rubbish, and debris resulting from quilted fiberglass absorber installation, on completion of work, and leave areas of installation in a neat and clean condition.