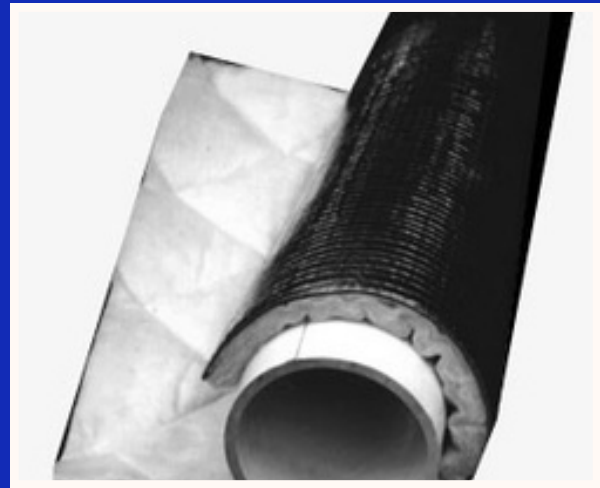
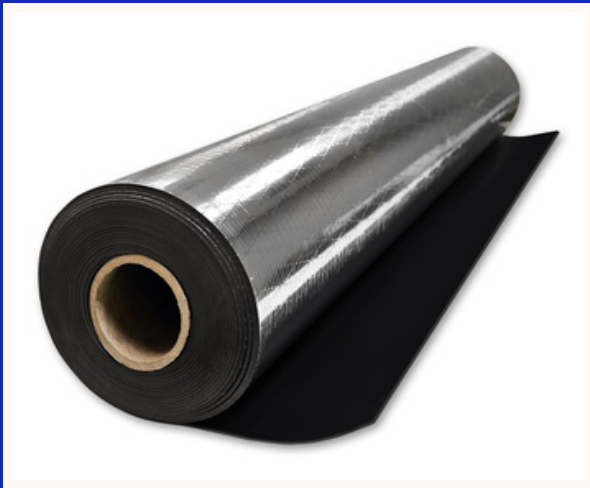




How to Install B10LAG



The **B10LAG**, provided by **All Noise Control**, is a high-performance, premium loaded vinyl (PLV) noise barrier designed to block and reduce noise transmission from HVAC ducts, industrial piping, and mechanical equipment. Featuring a reinforced aluminum-faced mylar layer, it allows easy sealing with matching tape for a secure and seamless installation. This acoustic lagging is often used to add an additional layer of soundproofing to pipes and ducts that have already been wrapped with standard insulation.

UNDERSTANDING OSHA NOISE EXPOSURE LIMITS

The Occupational Safety and Health Administration (OSHA) enforces guidelines to protect workers from excessive noise exposure, which can lead to hearing damage. OSHA's regulations for noise exposure are as follows:

- Permissible Exposure Limit (PEL): Noise exposure must not exceed 90 decibels (dBA) over an 8-hour workday.
- Action Level: If noise levels reach or exceed 85 dBA over an 8-hour period, a hearing conservation program must be implemented, including regular hearing tests, noise monitoring, and hearing protection.

IDENTIFYING NOISE SOURCES

Before installing the **B10LAG** pipe and duct wrap barrier, it is essential to identify the primary sources of noise in your space:

- **HVAC Systems:** Air conditioning, heating, and ventilation systems can produce consistent noise due to airflow, fans, and mechanical components.
- **Industrial Machinery:** Compressors, pumps, conveyors, and other industrial equipment are often the major contributors to high noise levels in manufacturing or industrial environments.
- **Piping Systems:** Water or steam flow through pipes can create vibrations and unwanted noise, especially in larger buildings or facilities.
- **Foot Traffic and Conversations:** Noise from people walking, talking, or performing tasks can add to the ambient noise in office spaces and public areas.

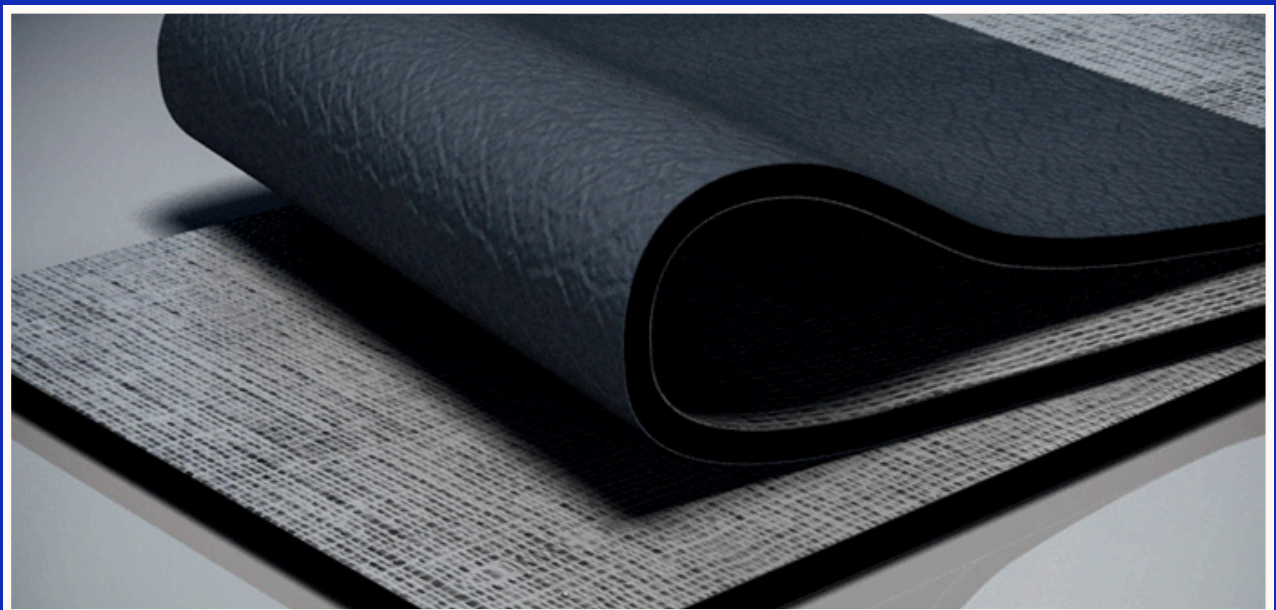
Identifying these noise sources will allow you to effectively determine where to install the **B10LAG** barrier for maximum noise reduction.



MATERIALS NEEDED FOR INSTALLATION

To successfully install the **B10LAG** pipe and duct wrap barrier, gather the following materials:

- **B10LAG Wrap Barrier:** Choose the B10LAG for its superior soundproofing capabilities, which features a reinforced aluminum-faced mylar layer for easy sealing and a durable, long-lasting finish.
- **Measuring Tape:** To measure the length of the pipes and ducts for accurate fitting of the wrap barrier.
- **Utility Knife:** For cutting the wrap barrier to the correct size and shape.
- **Acoustic Tape or Sealing Tape:** Used to seal seams and ensure that the wrap barrier adheres securely without gaps.
- **Adhesive (optional):** Depending on the installation method, adhesive may be needed to ensure a tight fit and hold the barrier in place.
- **Safety Gear:** Protective gloves, safety glasses, and hearing protection (if necessary) during installation.



STEP-BY-STEP INSTALLATION PROCESS

1. Prepare the Installation Area

- **Clear the Space:** Remove any equipment or debris in the work area to ensure clear access to the pipes or ducts.
- **Inspect the Surface:** Clean the pipes or ducts to remove dust, grease, or any other substances that might affect the adhesion of the wrap barrier.

2. Measure and Cut the B10LAG Barrier

- **Measure the Length:** Use the measuring tape to determine the required length of the B10LAG barrier for wrapping pipes or ducts. Include the length of any bends or elbows in the pipework.
- **Cut the Barrier:** Use a utility knife to cut the B10LAG barrier to the appropriate size, leaving a small overlap for sealing.

3. Wrap the Barrier Around the Pipe or Duct

- **Position the Barrier:** Start by positioning the B10LAG barrier around the pipe or duct, making sure the material fits snugly without leaving gaps.
- **Overlap the Edges:** Ensure the edges of the barrier overlap slightly for a seamless installation. This prevents sound from leaking through any seams.

4. Secure the Barrier

- **Seal the Seams:** Use acoustic tape or sealing tape to securely seal the seams of the barrier. Ensure the tape holds the barrier in place without leaving any gaps.
- **Press the Barrier Firmly:** Apply pressure to the barrier to ensure that it adheres tightly around the pipe or duct, eliminating any air pockets that could affect soundproofing.

5. Inspect the Installation

- **Check for Loose Areas:** Ensure the B10LAG barrier is tightly secured and that there are no loose or exposed areas.
- **Final Adjustments:** If necessary, adjust the barrier and tape to ensure a smooth and even application.

6. Clean the Area

- **Remove Excess Material:** Trim any excess barrier material and clean the workspace to maintain a tidy and professional finish.