



How to Install B10LAG2



The **B10LAG2** is a high-performance acoustical wrap designed to reduce noise transmission and improve thermal insulation in industrial, commercial, and mechanical applications. This product effectively minimizes unwanted sound from HVAC systems, industrial piping, and ductwork, creating a quieter and more energy-efficient environment.

UNDERSTANDING OSHA NOISE EXPOSURE LIMITS

The Occupational Safety and Health Administration (OSHA) has stringent regulations regarding noise exposure in workplaces. According to OSHA's standards:

- **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, employers must implement a hearing conservation program, which includes regular hearing tests, noise monitoring, and providing hearing protection.

By installing **B10LAG2**, you can significantly reduce noise levels, aiding in compliance with OSHA regulations and enhancing workplace safety and comfort.

IDENTIFYING NOISE SOURCES

Before installing the wrap barrier, it's essential to identify the primary sources of noise:

- **HVAC Systems:** Heating, ventilation, and air conditioning systems often generate significant noise due to air movement, fans, and mechanical components.
- **Industrial Machinery:** Equipment such as compressors, pumps, and conveyors can produce high levels of noise and vibration.
- **Plumbing Systems:** Water flow through pipes can create noise, especially in large buildings or facilities.
- **Foot Traffic and Conversations:** In open-plan offices or public areas, noise from people walking and talking can be distracting.



MATERIALS NEEDED FOR INSTALLATION

To successfully install the B10LAG2 wrap barrier, gather the following materials:

- **B10LAG2 Wrap Barrier:** Choose panels with a high Noise Reduction Coefficient (NRC). For example, All Noise Control offers fabric-wrapped panels with excellent NRC ratings.
- **Measuring Tape:** For precise measurements of pipes and ducts.
- **Utility Knife:** To cut the wrap barrier to the required size.
- **Adhesive or Fasteners:** To secure the wrap barrier in place.
- **Safety Gear:** Gloves and safety glasses to protect during installation.



STEP-BY-STEP INSTALLATION PROCESS

1. Prepare the Installation Area

- **Clear the Workspace:** Remove any equipment, tools, or obstacles that may obstruct your work area. Ensure there is clear access to the pipes or ducts you plan to wrap.
- **Inspect the Surface:** Clean the pipes and ducts to ensure they are free from dust, dirt, or grease that could prevent the wrap barrier from adhering properly.

2. Measure and Cut the Wrap Barrier

- **Accurate Measurements:** Using the measuring tape, measure the length of the pipe or duct that needs to be wrapped. Be sure to include any bends or elbows in the pipework when measuring.
- **Cut the Barrier:** Using a utility knife, cut the wrap barrier to the appropriate size, allowing for overlap.

3. Apply the Wrap Barrier

- **Position the Barrier:** Start by wrapping the barrier around the pipe or duct, ensuring it fits snugly. Overlap the edges slightly to ensure no gaps are left.
- **Secure the Barrier:** Use adhesive or fasteners to hold the barrier in place. Ensure there are no gaps or loose areas.

4. Seal Seams and Edges

- **Seal Gaps:** Apply acoustic sealant to any seams or edges to prevent sound leakage.
- **Smooth the Surface:** Press down on the barrier to ensure it adheres firmly and evenly.

5. Final Inspection and Adjustment

- **Check the Installation:** Inspect the installation for any loose areas, gaps, or misalignments. Make sure the barrier is tightly secured and evenly applied.
 - **Clean the Area:** Remove any installation debris or excess material and clean up the workspace.
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