

INSTALLATION DATA SHEET

Acoustibloc System (Patented concept)

1. OBJECTIVE

Ensure the installation of a continuous sound barrier in a plenum to limit sound transmission between two spaces. Performance depends directly on the complete tightness of the installation.

2. PRODUCT DESCRIPTION

Acoustibloc blocks are flexible acoustic elements designed to:

1. Adapting to Plenum Irregularities
2. Bypass conduits, cables and mechanical equipment
3. Be installed in compression without mechanical attachment

They can be used:

1. Vertical stacking
2. In horizontal juxtaposition
3. In compression under obstacles

3. REQUIRED MATERIALS AND EQUIPMENT

Personal Protective Equipment (PPE)

1. Safety glasses

Tools

1. Stepladder compliant, height adapted to the slab
2. Telescopic baton (recommended)
3. High Intensity Light Source (Inspection)

Workforce

1. Minimum of 2 installers

4. PREREQUISITES

1. Unobstructed plenum access (ceiling tiles removed)
2. Clear identification of the partition to be acoustically extended
3. Checking for obstacles (conduits, wiring, structure)

5. INSTALLATION PROCEDURE

5.1 Implementation

1. Position the stepladder parallel to the targeted bulkhead, on the side with the best access.
2. Remove the ceiling tiles needed to clear the work area.

5.2 Installing the Blocks

1. Position the first block flat, centered on the axis of the bulkhead.
2. Stack the blocks vertically, lengthwise, directly above the partition (gypsum or modular).
3. Apply sufficient compression between the suspended ceiling and the structural slab to ensure stability and watertightness.

5.3 Adjustment

1. Use the telescopic pole to position the blocks in hard-to-reach areas.
2. Adapt the installation to the conditions of the plenum:
 1. Use intermediate blocks
 2. Use soft elements (socks) to get around obstacles
 3. Ensure continuous contact with adjacent surfaces

6. QUALITY CONTROL (MANDATORY)

Light leak test

1. Place a powerful light source on one side of the sound barrier.
2. Inspect the opposite side for light infiltration.

Correction

1. Any presence of light indicates an acoustic leak.
2. Adjust, reposition or add blocks until a completely watertight barrier is obtained.

7. PERFORMANCE CRITERIA

1. No visible openings
2. Uniform block compression
3. Complete continuity of the sound barrier
4. Tight fit around all obstacles

8. IMPORTANT NOTES

1. Acoustic performance is directly related to the quality of workmanship.
2. Any discontinuity significantly reduces the efficiency of the system.
3. The principle of sound propagation is analogous to that of water: any opening constitutes a vanishing point.