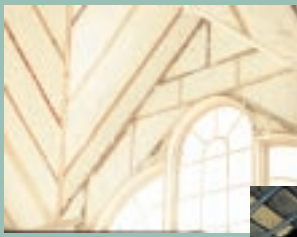




How The Blow-In-Blanket® System Can Improve Sound Control

Blow-in-
DI ANUGEN
BLANKET
CONTRACTORS ASSOCIATION



If you are designing buildings for people to work or live in, you know that controlling unwanted noise is a must. Builders who have tried to incorporate sound control measures are often disappointed with the end results. Now, to assure the optimum in sound control, there is an answer...

The Blow-In-Blanket® System.

It has long been recognized that adding fiber glass insulation to exterior and interior walls as well as floor and ceiling assemblies is a cost-effective way to improve noise control. But the product is not enough; how the product is installed is critical in accomplishing noise reduction.

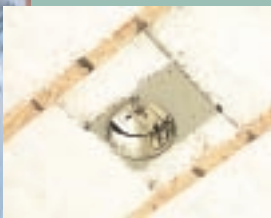
The Blow-In-Blanket System, or BIBS®, offers you both an effective acoustical material and an assurance of a properly installed product. Here's why:

The Product...

BIBS uses only high-quality fiber glass insulation, produced by CertainTeed or Johns Manville. Unlike other insulation systems that may leave voids or gaps, BIBS completely fills the space reducing sound transmission through the wall cavity. Testing has shown that fiber glass can add four to ten points to the STC (sound transmission class) of a wall or ceiling assembly. And fiber glass is permanent; it doesn't settle or deteriorate over time, so it doesn't lose its acoustical effectiveness.

The Installation...

When BIBS is installed by a member of the Blow-In-Blanket Contractors Association (BIBCA), you know you are getting the job done right. BIBCA has an installer certification program that is tops in the industry. Installers do not go on the jobsite until thoroughly trained to exacting standards. BIBS done by BIBCA contractors will perform to the level you expect.



The Proof...

To demonstrate what BIBS properly installed can mean acoustically, a series of tests were recently performed at an NVLAP-accredited laboratory. A small-scale wall assembly was constructed with:

- 2x4 studs on 16 inch centers
- metal resilient channels mounted horizontally on 24 inch centers
- one layer of 1/2 inch gypsum wallboard on each side.

To simulate real-world conditions, the assembly contained the following obstructions and penetrations:

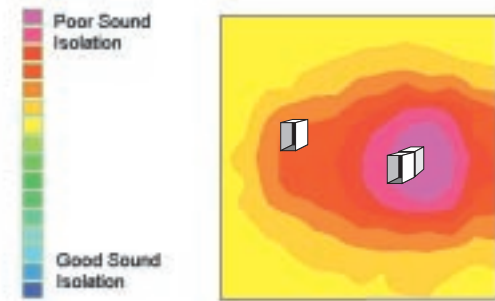
- one single metal electrical box
- two metal electrical boxes mounted back-to-back.

The assembly was tested to measure the speech frequency (500-2000Hz) sound transmission through the wall using a sound intensity mapping program. In order to simulate a field installation, as opposed to laboratory conditions, the R-11 kraft-faced insulation was cut with up to 1/8" gap around the electrical boxes. The results of these tests are shown to the right.

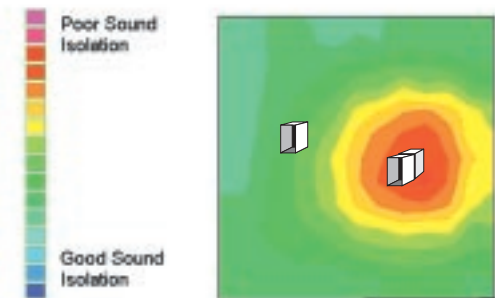
As the graphs show, BIBS installed by a BIBCA contractor surrounds obstructions and penetrations and provides an acoustical advantage.

The Choice is Yours.

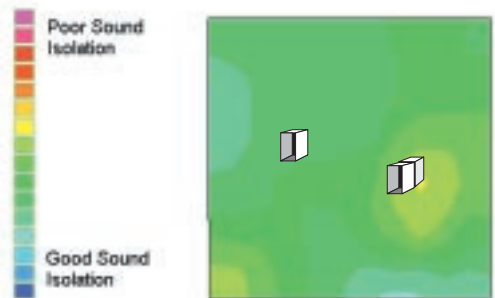
If you want the best material for sound control, specify BIBS. If you want the best material installed right, specify a BIBCA contractor. For more information, contact The Blow-In-Blanket Contractors Association.



Wall with penetrations and no insulation



Wall with penetrations and batt insulation



Wall with penetrations and BIBS

Sound intensity is illustrated in the above drawings by color. The brighter violet, red and orange show more sound leakage than the yellow and green. As you can see, the wall assembly's electric box is indicated on the left; the double electrical boxes are indicated on the right.

Blow-in-

BLANKET

CONTRACTORS ASSOCIATION

Blow-In-Blanket Contractors Association

110 Breeds Hill Road • Suite 3, Third Floor
Hyannis, MA 02601

(800) 451-8862 • www.bibca.org

Blow-In-Blanket® System and BIBS®
are registered trademarks of Ark*Seal International, Inc.
©1999 BIBCA