For Effective Reduction of Both Impact and Airborne Sound and Vibration Through All Types of Floor Covering.

Acoustic Panels

SB-IsoTileMax

Noise Control Floor Underlayment

Hear the harmony in silence

Installation Instructions

3/4" (19 mm) Hardwood Strip Flooring

Congratulations

You have just acquired the most efficient soundproofing panel on the market. For the best results and maximum efficiency, we suggest that you follow the installation instructions. An inadequate installation could lead to a significant reduction in the efficiency of SB-IsoTileMax .

The panels are available in the following two dimensions: 3 feet (914 mm) by 4 feet (1219 mm) as presented in the video and 4 feet (1219 mm) by 6 feet (1829 mm) for professionals in the construction trade. The method of installation is the same for both.

Equipment

Make sure you have the necessary equipment available:

- a tape measure
- a hammer
- a chalk line
- a set square
- an electric sander
- a vacuum cleaner
- an exacto knife or a gypsum knife
- a drill
- a large trowel
- matchbooks
- a caulking gun
- an acoustic sealer
- a light-colored, soft lead pencil

- a wooden lead pencil
- a floor leveler
- tile spacers
- a circular saw or handsaw
- a tube of construction glue

Optional equipment depending on the soundproofing method used:

- 1/8" (3 mm) etafoam
- 1/2" (13mm) or 5/8" (16 mm) backer rod

Preparation of the Subfloor

1 Start by thoroughly cleaning the surface with a vacuum cleaner.

2 Check to make sure that the subfloor has no imperfections. SB-IsoTileMax will not improve an imperfect surface. You have to take the time to check the quality of the subfloor.

For a Wood Framework

Screw in completely any screws, drive in any nails or remove anything that could interfere with the installation. If your floor creaks, we suggest adding screws to stabilize it because SB-IsoTileMax will not eliminate creaking. If necessary, use a sander to smooth the surface or a floor leveler to correct any imperfections.

For a Concrete Floor Slab

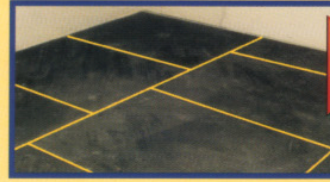Check that the slab is level. If you notice any imperfections, use a concrete leveler to level the surface.

3 Before starting, SB-IsoTileMax panels must be kept at room temperature for 72 hours.
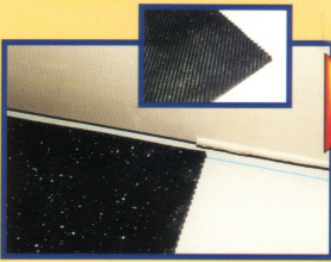
Installation of SB-IsoTileMax

1 Using a chalk line, trace a line around the room leaving a 3/8" (9 mm) space out from the wall.

2 Lay the panels, grooved side up, on your guideline.

3 Leave a 3/8" (9 mm) space out from the walls.

4 Also leave a 1/8" (3 mm) space between each panel. To be sure that your have correct measurements, use tile spacers.

5 For the second row, cut the first panel in two. Lay it at a distance of 3/8" (9 mm) from the wall and continue the installation to the far end with full-length panels. The end of one panel must always arrive at the center of the panel in the preceding row, as if it were a brick wall. Cut the last panel of the row to the desired length.

6 To make the cut, use a knife with a retractable blade or a gypsum knife. Do not try to cut the panel in a single stroke. Make two or three passes to get a better result and to avoid injury.
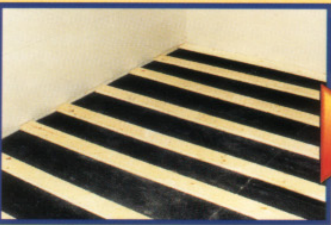
7 Plan for a 3/8" (9 mm) space around obstacles such as electric wires, pipes and doorframes. Remember that the carpet must never touch walls or any objects in the room.
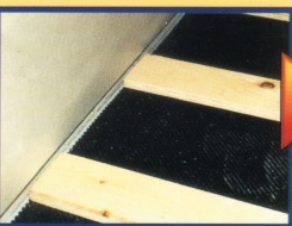
Installation of Floor Furring Strips

1 Install 3/4" (19 mm) or 5/8" (16 mm) plywood floor furring strips, 3-1/2" (89 mm) in width.

2 Place the floor furring strips perpendicular to the future floor covering, spaced 12" (305 mm) apart, measured from the center of each strip.

3 Glue them using a tube of construction glue.

4 Keep a 3/8" (9 mm) space around the borders of the room and around any obstacles.

Finishing Steps

To maximize the efficiency of your acoustic panels, you must take great care when installing your new floor covering. Whatever type of covering you use, keep your 3/8" (9 mm) space out from the wall as well as around any obstacles.

Here are three ways of doing this procedure:

1

The first is very simple.

Use an acoustic sealer to fill the 3/8" (9 mm) space completely up to the covering. Do the same thing for any obstacles.

2

The second method is carried out in two steps.

Use 1/2" (13 mm) backer rod and insert it in the 3/8" (9 mm) space. Do the same thing for the obstacles. Apply the acoustic sealer over the backer rod up to the level of the covering. This method give you a better result than the first.

3

The third method is the best.

Prepare 7"-wide (178 mm) etafoam strips. Install them before setting the panel on the floor. Then apply an acoustic sealer behind the etaform up to the covering in order to fill the 3/8" (9 mm) empty space around the room. For the obstacles, fill the empty space with backer rod and apply the acoustic sealer. Or you can simply use the acoustic sealer.

Baseboard Installation

To optimize the acoustic properties of SB-IsoTileMax, the baseboards must never touch the floor covering. For those who have used etafoam as soundproofing, fold it down onto the floor and then put the baseboard over it. Nail the baseboard to the wall and delicately cut the excess etaform with a knife.

For the first two methods, place a matchboard on the floor. Install the baseboard and nail it to the wall.