



IMPACT INSULATION SYSTEMS

# Soundeater® Installation Instructions for 3/4” nail down hardwood flooring

## Prep Work

1.) Inspect concrete sub floor for any open cracks and fill with high-grade epoxy filler. Remove any excess concrete lumps or residue that may interfere with the installation of the underlayment.

### Wood Floor

Sub floor should be properly sloped, structurally sound, level, and clean. Good grade plywood that does not exceed deflection of L/360 of span including live and dead loads should be used.

The **Soundeater®** system consists of soft boards and wood profiles. Small irregularities in the sub floor (up to 2mm), are leveled out perfectly by **Soundeater®**.

2.) **Soundeater®** tiles must acclimatize in their sealed packaging, in the room where they are installed for at least 48 hours, at a temperature of at least 65° F. Before starting your installation of **Soundeater®** make sure your sub floor is permanently dry, and clean, (no dust).

### Material Needed for installation

- 4 mil poly plastic sheet (vapor barrier)\*
- Perimeter isolation foam tape\*
- Acoustical Sealant \*
- Aluminum Tape\*
- Adhesive Spray (3M 77 spray)
- Double side tape

**\*Material available from Sound Seal please call 800-569-1294**

6 mil poly plastic sheeting is required over a sub-floor heating system

### Tools needed for installation

- Utility Knife
- Handsaw
- Pneumatic floor nailer & mallet
- 1/2 floor nails

## Installation Instructions

1.) Install 4 mil poly sheeting (vapor barrier) over all areas where **Soundeater®** is going to be installed. Use double side tape to attach poly sheeting at walls. Overlap poly sheet joints at least 8 inches. These overlaps must be sealed over their total length with aluminum tape (which has a rubber glue layer). Installation of **Soundeater®** over a sub-floor heating system requires a 6 mil poly sheeting.

2.) Install the precut 3/8 thick perimeter isolation barrier vertically around the perimeter of the entire floor, piping, and all other obstacles. The perimeter isolation barrier must be installed prior to the **Soundeater®** installation

Use Adhesive Spray to attach foam to wall. Never mechanically fasten the barrier with screws, nails or staples as this will severely diminish the acoustical value of the entire sound rated floor system.

3.) Place the first row of **Soundeater®** base-boards as follows: Cut the **Soundeater®** sheets lengthwise in half. (*figure a*) Install the first row (half sheets only) against the perimeter isolation strip and slide the first wood profile with the groove side in the tongue of the sheets. (*figure a*)

All following **Soundeater®** rows: Start with a full-size sheet and slide it onto the tongue of the wood profile of the first row, then install the entire row. Cut the last sheet. Install wood profile by sliding it on the tongue of the sheets. (*figure b*) **Important: Seams of the wood profiles have to stagger at least 18 inches.**

4.) The hardwood floor is to be installed perpendicular to the **Soundeater®** underlayment system and is not to exceed the edge of the **Soundeater®** sub floor. Using 1 1/2 nails, nail the hardwood floor to the wooden nailer strips. (*figure c*) Ensure that nails/staples do not penetrate the wooden nailer strip and short circuit the floating floor assembly. Trim back the perimeter isolator to the height of the finished floor using an utility knife. **Install base boards 1/4” off the finished hardwood floor to prevent flanking paths. Caulk gap using Sound Seal acoustic caulk. (figure d)**

### Note:

*Failure to follow installation instruction could result in voided warranty*

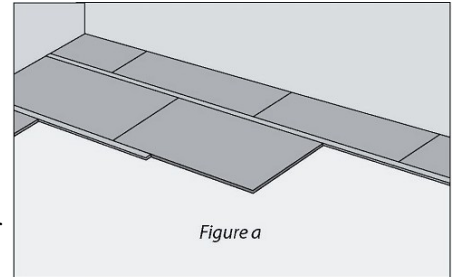


Figure a

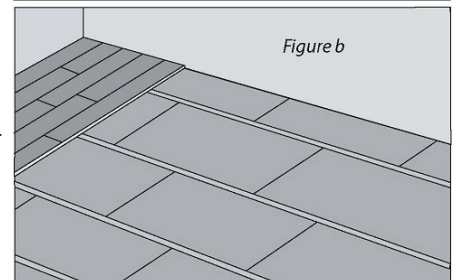


Figure b

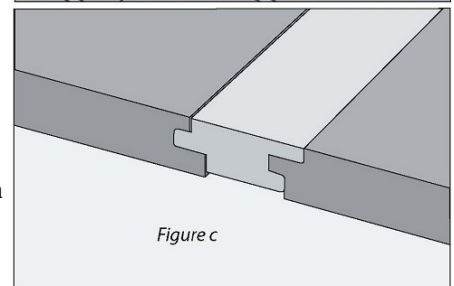


Figure c

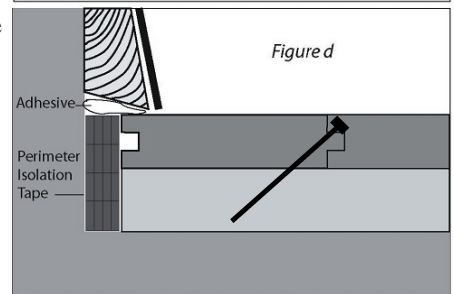


Figure d



P.O. Box 545  
Agawam, MA 01001  
[www.soundseal.com](http://www.soundseal.com)

Toll Free 1-800-569-1294  
Fax (413) 789-4444  
Email [impacta@soundseal.com](mailto:impacta@soundseal.com)