

# Two Layer Underlay System for Linoleum, Vinyl, or VCT



## Jumpax® Benefits:

- ◆ Sound reducing impact insulation system for glue-down vinyl, linoleum and VCT floors
- ◆ Free-floating, two layer underlay product
- ◆ Simple to install, reducing project labor overhead
- ◆ Easily accepts replacement vinyl or VCT finished floor with new tenants
- ◆ Engineered with built-in self leveling characteristics which create a smooth finished floor
- ◆ Design promotes increased thermal insulation
- ◆ Moisture and mold resistant

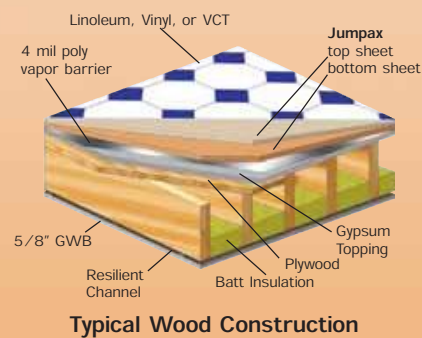


### ACOUSTIC PERFORMANCE

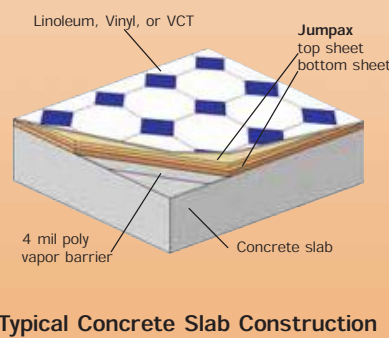
Building Construction	IIC	FIIC
Wood Structure	IIC 54	FIIC 57
Concrete (6" slab) (no ceiling)	IIC 51	

Visit [www.soundseal.com](http://www.soundseal.com) for field and lab tests.

Note: Results may vary depending upon building and floor configurations. Test procedure methods per standards set forth by ASTM E492-90, ASTM E-989-89, ASTM E-1007-97, and ASTM E2179-03.



Typical Wood Construction



Typical Concrete Slab Construction

### Product Specifications

- ◆ 3/8" or 10mm thick
- ◆ 23" x 47" board size
- ◆ 4 top and bottom boards
- ◆ 31 sq. ft. per pack
- ◆ 42 lbs. per pack
- ◆ 1,488 sq. ft. per skid
- ◆ 48 packs per skid
- ◆ 2,100 lbs. per skid
- ◆ MDF, polystyrene foam with aluminum film

### WARRANTY

Impacta™ Underlayments will remain responsible for the performance/consistent quality as long as they have installed according to the written instructions supplied by Sound Seal and in situations where the specific Impacta model is meant to be installed. Sound Seal warranties that spillage of casual water onto a finished floor with Jumpax installed will have no effect on the performance of the Jumpax. Any liability for sub-sequential damage is not accepted. The sound reducing capabilities of Impacta underlayments have been tested under laboratories conditions and therefore may differ in other situations.

### Accessories

- ◆ 4 mil poly vapor barrier \*
- ◆ Perimeter isolation \*
- ◆ Poly tape \*
- ◆ Acoustical caulk \*

\* required      \* optional



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# Jumpax® Installation Instructions for Glue Down VCT & Linoleum Flooring



## Prep Work

- Failure to follow installation instructions could result in voided warranty
- Floor moisture level should not exceed 3%
- If relative humidity is over 75%, product should not be installed

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 **Jumpax®** system consists of a baseboard and a top-board, each with a layer of interactive adhesive. Small irregularities in the sub floor, such as joints and cracks, but also wooden substrates are leveled out perfectly by **Jumpax®**. The base-board is also equipped with an isolating and leveling layer (silver foil), which has to be laid facing down on the sub floor. The adhesive layers of both boards have to face each other by tapping them with a rubber hammer; the glue layers will react and form a unity.

2. **Jumpax®** 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 **Jumpax®** make sure your sub floor is permanently dry, and clean, (no dust). (Fig. A)

## Material needed for installation

- 4 mil poly plastic sheet / vapor barrier (required)\*
- Perimeter isolation foam (optional)\*
- Acoustical Sealant (optional)\*
- Aluminum Tape\*
- Double side tape (optional)

## \* Material available from Sound Seal

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

## Tools needed for installation

- Utility Knife
- Rubber mallet
- Measuring tape

## Installation Instructions

1. Install 4 mil poly sheeting (vapor barrier) over all areas where **Jumpax®** 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. Installation of **Jumpax®** over a sub-floor heating system requires a 6 mil poly sheeting. (Fig. B)
2. Install the precut 3/8" thick perimeter isolation barrier vertically around the perimeter of the entire floor, piping, and all other obstacles. Never mechanically fasten the isolation foam with screws, nails or staples as this will severely diminish the acoustical value of the entire sound rated floor system. (Fig. C)
3. Install the first row of **Jumpax®** baseboards as follows: The first baseboard of the first row has to be shortened to 3/4 of its length. All baseboards of the first row to be cut in half parallel to the length of the boards. Then install the first row with the protection foil facing against the perimeter foam. This also applies for the actual floor covering, which is to be fitted on the **Jumpax®**, keeping the same clearances from all walls, pipes, or other obstacles. The second row: The first whole baseboard has to be cut to 1/4" of its length. Then place the following baseboards in brick-fashion. (Fig. C)

## The top-boards: Just before the installation of the top boards remove the protective film of the baseboards.

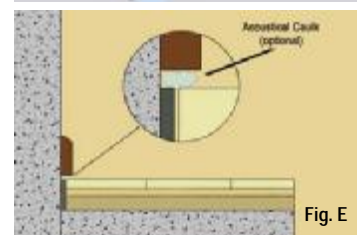
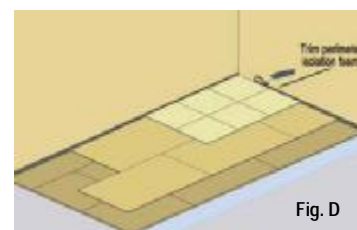
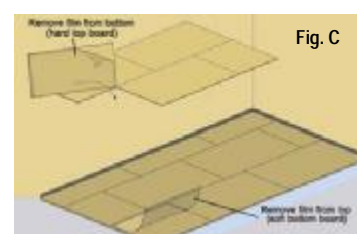
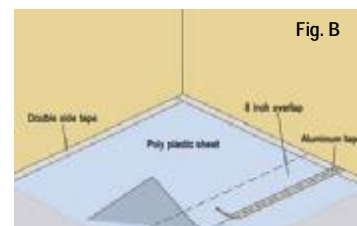
Always start the first row with a full size top-board and the next row with a half size one. Working this way all the joints of the base boards will be covered, giving that extraordinary stability to the **Jumpax®** system.

## Important: Do not walk on the layer of adhesive.

**Note: It is important that joints from the baseboard are staggered from the top board. (Fig. C & D)**

## Finished Floor

4. Tap or roll all the top boards with a rubber hammer or a 100 lbs roller. Always check the finished **Jumpax®** sub-floor for irregularities. Any irregularities of the joints can easily be sanded away with a 120-grain fine sand paper. Vacuum clean the finished **Jumpax®** sub-floor before gluing the floor covering. When PVC Strips floor covering are to be glued on **Jumpax®**, fit the **Jumpax®** 24 hours before. The floor covering is to be glued on to the total surface of the **Jumpax®** and is not to exceed the edge of the **Jumpax®** sub floor: So the floor covering stops and starts where **Jumpax®** stops and starts. For the best result and because of possible influences of air humidity, glue the floor covering on the **Jumpax®** sub-floor no later than 48 hours.
5. Trim back the perimeter isolator to the height of the finished floor using a utility knife. **Install base boards 1/16" off the finished hardwood floor to prevent flanking paths. Caulk gap using Sound Seal acoustical caulk, if desired. (Fig. E)**



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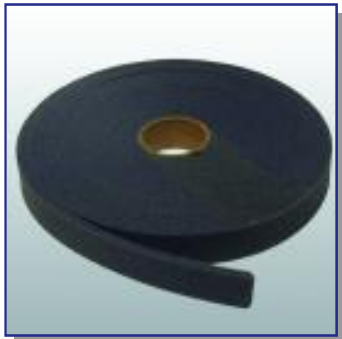
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## Installation Accessories for Impacta Floor Underlayments



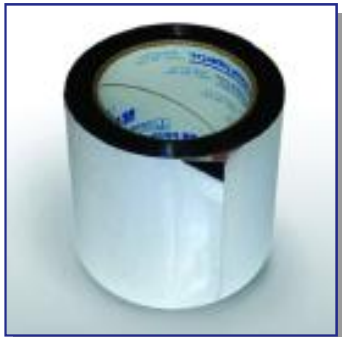
### Vapor Barrier Membrane

- 4 mil Poly Sheeting - Standard
- 6 mil Poly Sheeting - Recommended for Heated Floors
- 10 ft. x 100 ft. Rolls, 1000 sq. ft. per Roll



### Perimeter Isolation Foam

- 3/8 in. Thick
- 1 3/4 in. x 32 ft. Rolls
- Available in Single Rolls, or Case of 30 Rolls
- 960 Linear. ft. per Case



### Poly Tape

- Aluminum Tape with Waterproof Adhesive
- 2 in. by 36 yard Rolls
- Used to Tape Over Seams in Poly Sheeting



### Acoustical Caulk

- White Latex Base
- Will Not Harden, Crack or Separate
- UL Tested and Certified
- High STC Qualities
- 29 oz. Cartridges / 12 per Case
- 3/8 in. Bead = 40 Linear Feet
- 1/4 in. Bead = 89 Linear Feet



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## Acoustic Tests

Note: The  $\Delta$  IIC is a new ASTM test that measures the improvement in decibels. Example a  $\Delta$  mean a 25 point improvement . The  $\Delta$  IIC tests is only tested on a 6" concrete slab with no c

Product/ Model	Floor / Ceiling Assembly Description	Floor Covering	IIC Rating
No Underlayment	6" concrete slab-no ceiling	None	IIC 27
Jumpax	6" concrete slab - no ceiling	Linoleum Sheet	IIC 51
No Underlayment	6" concrete slab no ceiling	Vinyl Composition Tile	IIC 31
Jumpax	6" concrete slab no ceiling	Vinyl Composition Tile	IIC 51
Jumpax	6" concrete slab no ceiling	Vinyl Composition Tile	$\Delta$ IIC 25
Jumpax	Wood frame construction 2 x 16" - 24" centers, 5/8" T&G plywood w/ 1 1/2" lightweight concrete topping-batt insulation, RC-1 channel, 5/8" GWB	Linoleum Sheet	IIC 54
Jumpax	Wood frame construction 2 x 10" - 16" centers, 5/8" T&G plywood w/ 1 1/2" lightweight concrete topping-batt insulation, RC-1 channel, 5/8" GWB	Vinyl Sheet	FIIC 55
Jumpax	Wood frame construction TGI Joists 16" centers, 5/8" T&G plywood w/ 1" lightweight concrete topping- batt insulation, RC-1 channel, 5/8" GWB	Vinyl Sheet	FIIC 57
No Underlayment	8" concrete slab no ceiling	None	FIIC 34
No Underlayment	8" concrete slab no ceiling	Vinyl Strip	FIIC 44
Jumpax	8" concrete slab no ceiling	Vinyl Strip	FIIC 61

Note: The FIIC is a IIC test is performed in the field and is shown as a FIIC rating, it is the same same manner except it is performed in the field.

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