

PAC -IFB Floating Floor System

PAC-IFB INSTALLATION GUIDE



PAC-IFB1 PAC-IFB2



Floating floors are a go-to solution when high levels of airborne and impact sound isolation are needed. The PAC-IFB is a discrete isolator for floating floors that is designed to provide high performance in a low-profile form factor. Available in a variety of load ranges with detailed product performance data for all, the PAC-IFB has the data engineers need to create solutions that work. The PAC-IFB is made from the same elastomeric material that's been used for years in Europe for whole-building vibration isolation, so you know it's a reliable long-term solution. Last of all, due to its unique material properties the PAC-IFB can provide low natural frequencies (down to ~ 7.5 Hz) with minimal deflection ($\sim 1/4$ " for the 2" thick PAC-IFB2).

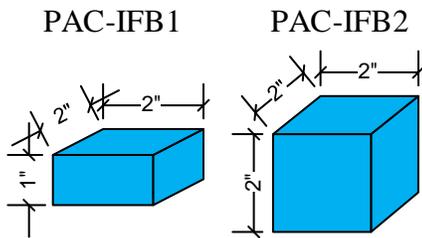
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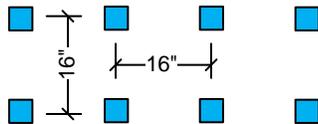
PAC-IFB

- Typical spacing 16 inches on center
- Maximum acoustical design load: 92 to 280 Lbs ea
- Loads calculated with 2" x 2" blocks
- PAC IFB Block version determined by load calculations.
- Custom loads available through engineering evaluation.



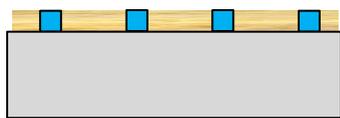
PAC-IFB:

- PAC-IFB1: 1" Tall
- PAC-IFB1: 2" Wide
- PAC-IFB1: 2" Deep
- PAC-IFB2: 2" Tall
- PAC-IFB2: 2" Wide
- PAC-IFB2: 2" Deep



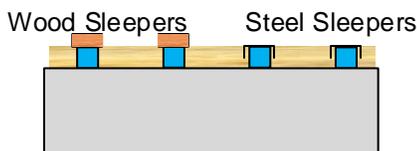
Placement:

- Clean and dry floor.
- Mark out isolator placement with chalk lines, marker or laser
- Set blocks on the floor
- Add perimeter isolation gasket, or board.



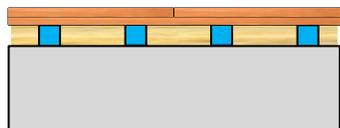
Insulation (By Others)

- Insulation placed in between PAC-IFB blocks
- R-6.7 or R-8 for PAC-IFB1
- R-6.7 or R-8 for PAC-IFB2
- R-11 + for PAC-IFB2 with sleepers to increase cavity depth



Sleepers (Optional By Others)

- Wood 2x4 or larger to increase cavity space for leveling or increased performance.
- Steel min. 2.5" x 20 Ga. Min. track for fastening metal decking (not shown)



Plywood (By Others)

- 2 layers of 3/4" plywood glued and screwed to each other with 1-1/2" Coarse thread wood screws.

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Site Prep and Isolator evaluation:

- Measure overall area for floating floor system
- Calculate live and dead load requirements
- Send load information and desired build up to PAC for review and specifications
- PAC will send back recommended PAC-IFB load range and spacing.

Plywood build up floors:

- Completely clean floor of all debris and dust.
- Snap chalk lines, mark Isolator positions or run lasers to mark PAC-IFB locations from PAC drawings.
- Mark and install perimeter gasket. Gasket should be 1/4" to 1/2" thick and completely cover the wall where the floating floor Plywood may contact the wall.
- Place PAC-IFB on floor following manufacturer recommendations. (spray glue adhesive may be used for a temporary hold)
- Lay in fiberglass or tested equivalent insulation between PAC-IFB
- Verify Block locations. Adjust any blocks that may have moved.
- Optional: When sleepers are used, glue and screw the first layer of plywood to the sleepers. Plywood or PAC IFB layout should be adjusted to allow the sleepers to be under the plywood seams.
- Lay down first layer of plywood with seams in between the PAC IFB blocks.
- Cut the first piece of the second layer of plywood to 2 ft x 4 ft piece.
- Spread adhesive on the plywood and lay down the first piece of the second layer. Adjust the outside corner to line up with the first layer, then fasten the 2' x 4' piece to the first layer of plywood with 1-1/2" wood screw.
- Screws spaced at 12" oc. max.
- Install the rest of the second layer of plywood one piece at a time.
- Completely screw each layer of plywood as you go
- Install the finished flooring per flooring manufacturer recommendations.

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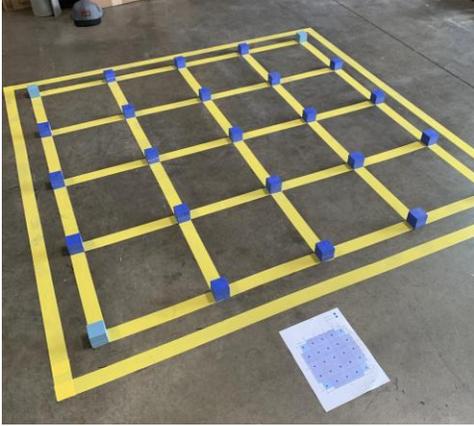
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- Install the rest of the second layer of plywood one piece at a time.
- Completely screw each layer of plywood as you go
- If needed lay in any concrete support like rebar or wire mesh.
- Verify the perimeter is isolated from the wall and the concrete can not seep through any gaps.
- Pour concrete over plywood.
- Install the finished flooring per flooring manufacturer recommendations.

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PAC-IFB INSTALLATION PICTURES



Layout

- Mark and layout floor.
- Chalk, Pen or laser.
- Spray Glue may be used for a temporary hold to the floor

Insulation

- Lay insulation between PAC-IFB blocks



Plywood

- Install the plywood one layer at a time.
- Glue and screw the layers together

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PAC-IFB INSTALLATION PICTURES

PAC-IFB1



PAC-IFB2



PAC-IFB2 plus sleepers

