



World Leader
in Noise
Control
Solutions



SECTION 13 48 00

PAC INTERNATIONAL, LLC.
CANBY, OR – LAS VEGAS, NV.

1. Product Name

- PAC-IFB
 - PAC-IFB Isolation floor block.

2. Work Included

- Furnish all labor, materials, tools, and equipment; and, perform all operations necessary for the complete execution of the installation of PAC-IFB isolation systems as shown on contract drawings and/or indicated in contract documents.

3. Related Work may include:

- Caulking 079200, Concrete 033000, Sound absorbing materials, MEP, Floor drains.

4. Manufacturer

PAC International, LLC
Canby, OR 97013
Las Vegas, NV 89130
Phone: (866) 774-2100
Fax: (866) 649-2710
Email: info@pac-intl.com
Web: www.pac-intl.com

5. Product Description

PAC-IFB Floating floor isolation

The PAC-IFB is designed for use over framed or concrete floor systems where high levels of noise either airborne or structure-borne need to be reduced or stopped.

The PAC-IFB stops the noise and vibrations that typically would be allowed to transfer through the structure.

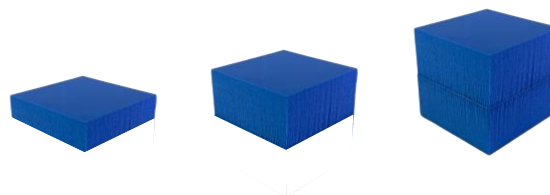
Materials and Composition

The PAC-IFB is a polyurethane foam formed or trimmed to the designed size and shape. All isolation materials are provided by PAC International, LLC.

Environmental Considerations

The PAC-IFB may contribute to LEEDS points, by reducing materials needed to achieve high STC and IIC floor ceiling systems. Natural frequency ≤ 7.5 Hz. Total deflection $\leq 15\%$. The foam can be recycled.

PAC-IFB0.5 PAC-IFB1 PAC-IFB2



Weight-bearing Information

With an acoustical design load rating between 92 and 280 pounds per isolator the PAC-IFB can be oriented or sized to meet all your requirements. The PAC-IFB is installed directly over the framed floor, finished floor or concrete slab.

Product Limitations

For interior use only with operating temperatures of 40–100 degrees F (4.4–37.8 degrees C).

6. Technical Data

Division: 134800

Applicable Standards

ASTM International (ASTM)

- **ASTM E90** Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements
- **ASTM E492** Standard Test Method for Laboratory Measurement of Impact Sound Transmission Loss of Building Partitions and Elements
- **ASTM E413** Classification for Rating Sound Insulation

5. Installation

General installation:

follow the manufacturer's specific installation instructions. Install as required by UL fire resistive design.

- Clean the Floor where PAC-IFB are going to be installed.
- Install the PAC-IFB directly over the framed or concrete floor. Spray glue may be use for a temporary hold.



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- Space the PAC-IFB according to the manufacturer's recommendations for your application.
- Install fiberglass or equivalent insulation between the PAC-IFB blocks.
- Install two layers of plywood over the PAC-IFB and insulation.
- Typical spacing 16" oc. X 16" oc, or 24" x 24" oc.
- Plywood:
 - Install perimeter tape or isolation before installing plywood over PAC-IFB.
 - Overlap plywood and offset seams by a minimum of 24".
 - Secure plywood to each other with construction adhesive and screws
 - All seams are between PAC-IFB isolators.
- Concrete topping:
 - Install perimeter tape or isolation before installing plywood over PAC-IFB.
 - Overlap plywood and offset seams by a minimum of 24".
 - Pour concrete or Lt Wt Gypsum concrete to the desired thickness.
 - Follow Concrete and Lt Wt Gypsum concrete manufacturers' recommendations for thickness, strength, and finish options.
- Flanking Noise:
 - Review installation details to prevent structure-borne flanking noise
 - Do not allow plywood or poured-in-place toppings to contact wall framing.
- Finished Flooring:
 - Install all finished flooring per manufacturers' recommendations leaving a 1/8" to 1/4" gap between the floor and the wall.
- Acoustical Sealant:
 - Seal potential air leaks with acoustical sealant to achieve best field results.

6. Availability and Cost

Please contact PAC International, LLC. for availability and pricing information.

7. Warranty

PAC-IFB clips are guaranteed free of manufacturer defects. Only remedy is the replacement of the defective component or components. The manufacturer is not liable for delays or extra costs.

8. Maintenance

No maintenance is necessary.

9. Technical Services

PAC International LLC. offers online product pages, installation guides, and specification sheets.

Technical information can be found on the website, www.pac-intl.com www.pacinternationalllc.com or by calling 866-774-2100

Fire ratings, sound test assemblies, CAD drawings, assembly drawings and clip specifications are also on the PAC website.

10. Filing Systems

- Additional product information is available from the manufacturer upon request

11. Shop Drawings

- All drawings will be approved to PAC International for review.
 - Isolator spacing and size will be determined by PAC International.

11. Substitutions

- An alternative for the PAC-IFB made from fiberglass, rubber, cork or other materials will not be allowed.