

1. Product Name

- RSIC-SI-FF Ez Resilient Spring Isolation Clip System
 - RSIC-SI-FF Ez

2. Manufacturer

PAC International, LLC
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3. Product Description

RSIC-1

The RSIC-SI-FF EZ is designed for use with any wood-framed, steel-framed, or concrete ceiling system where noise control is needed. The RSIC-SI-FF EZ assembly decouples and isolates the gypsum board or sheet goods from the structure increasing the acoustical performance of the system.

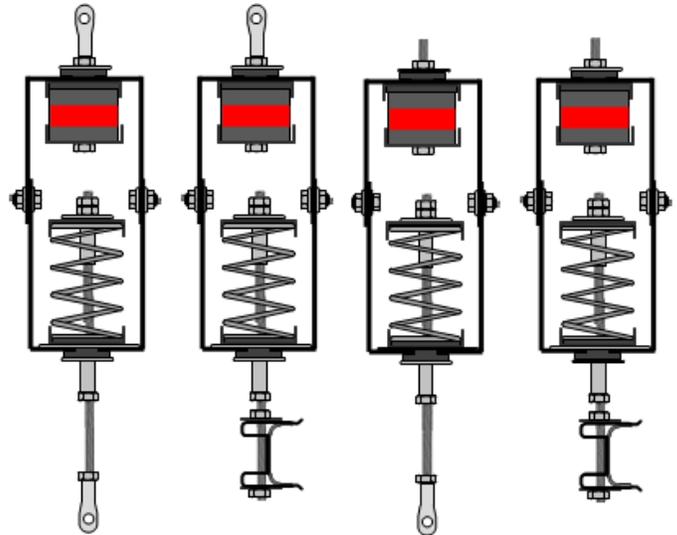
The RSIC-SI-FF EZ stops the noise and vibrations that typically would be allowed to transfer through the structure.

Materials and Composition

The RSIC-SI-FF EZ clips are composed of galvanized or aluminum-zinc coated steel and is manufactured in Canby, OR. The RSIC rubber isolators are made of natural rubber and/or manufactured rubber compound. The hanger assembly bracket shall be designed to allow up to fifteen (15) degrees of vertical alignment of the suspension member without making metal-to-metal contact between the suspension and hanger assembly members. The RSIC-SI-FF Ez shall be designed with an integral spring pre-load selected to minimize change in elevation once a load is applied to the hanger and to hold the isolator assembly steady during attachment of gypsum board. The hanger assembly bracket shall consist of a leveling rod with an attached RSIC-EZ Clip designed to accept 1-1/2" x 1/2", 16-gauge cold-rolled steel. The isolation hanger deflection shall be selected by the manufacturer to provide a maximum natural frequency of 4.4 Hz.

Sizes and Weight-bearing Information

RSIC-SI-FF EZ is available in 80 Lb, 40 Lb, 20 Lb, and 10 Lb acoustical load variations.



RSIC-SI-FF Ez

Product Limitations

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

4. Technical Data

Applicable Standards

ASTM International (ASTM)

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

Environmental Considerations

The RSIC-SI-CRC-FF may contribute to LEEDS points. The rubber RSIC fittings can be recycled.

The steel recycled content is less than 10 percent as required for fire life and safety regulations.

5. Installation

General installation: Follow manufacturer's specific installation instructions.

- Install resilient spring isolation clips, 1.5" CRC channel and drywall furring channels in accordance with manufacturer's instructions
- Mechanically fasten RSIC-SI-FF Ez to structure with wire, screws, bolts or expansion anchors, dependent upon structure

- Space RSIC-SI-FF Ez at maximum of 48 x 48 inches (1200 x 1200 mm) on center for ceilings.
- Do not exceed design load (pull and shear) of the stated load on each RSIC-SI-FF Ez Spring Isolator.
- When possible Stagger RSIC-SI-FF Ez, so the load is supported by all support members.
- Splicing Drywall Furring Channels:
 - Splice drywall furring channels with minimum of six inch (150 mm) laps
 - Secure laps with two framing screws or 18 gauge tie wire double wrapped
- Flanking Noise:
 - Review installation details to prevent structure-borne flanking noise
 - Do not allow drywall furring channels or gypsum board to contact foreign materials, including floors, ceilings or wall framing members
- Gypsum Board:
 - Install gypsum board on ceilings with a 1/4 inch (6 mm) gap around perimeter for acoustical sealant application or RSIC Perimeter Tape.
 - Install gypsum board in accordance with ASTM C840 as specified in Section 09250
- RSIC Perimeter Tape:
 - Install RSIC-Perimeter Tape to the areas where non isolated areas will abut to the RSIC-SI-FF Ez ceiling system. The RSIC-Perimeter Tape is not to be penetrated by fasteners.
- Acoustical Sealant:
 - Seal potential air leaks with acoustical sealant to achieve best Sound Transmission Class (STC)
 - Seal electrical outlets and penetrations with acoustical sealant
 - Seal over RSIC Perimeter Tape with non-hardening acoustical sealant.
- Putty Pad Sealant: Acoustically seal with putty pads, electrical boxes in ceilings in which RSIC-SI-FF Ez are used

6. Availability and Cost

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

7. Warranty

RSIC-SI-FF EZ clips have no warranty.

8. Maintenance

No maintenance is necessary.

9. Technical Services

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

information can be found on the website, www.pac-intl.com or by calling 866-774-2100, ext. 101 or 801. Fire ratings, sound test assemblies, CAD drawings, assembly drawings and clip specifications are also on the website.

10. Filing Systems

- Additional product information is available from the manufacturer upon request