**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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1. **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.

**A close up of a device

Description automatically generated**

**RSIC-SI-FF Ez**

Product Limitations

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

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1. **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 × 48 inches (1200 × 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**](http://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