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GYPSUM BOARD ASSEMBLIES 09-80-00

PAC INTERNATIONAL, LLC.

1. Product Name

- RSIC-SI-CRC Ez Resilient Spring Isolation Clip System
 - RSIC-SI-CRC Ez for Wood and Steel frame systems.

2. Manufacturer

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3. Product Description

RSIC-SI-CRC Ez

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

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

Materials and Composition

The RSIC-SI-CRC 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 mis-alignment of the suspension member without making metal-to-metal contact between the suspension and hanger assembly members. The RSIC-SI-CRC 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 side mount bracket and 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-CRC EZ is available in 80Lb, 40 Lb, 20 Lb, 10 Lb, and 5 Lb acoustical load variations.



RSIC-SI-CRC EZ

Product Limitations

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

4. Technical Data

- Divisions: **09-2000**
09-8000
09-8500
10-2000

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-EZ 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-CRC EZ to structure with screws or bolts dependent upon structure.
- Space RSIC-SI-CRC EZ at maximum of 48 x 48 inches (1200 x 1200 mm) on center for ceilings.



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- Do not exceed design load (pull and shear) of the stated load on each RSIC-SI-CRC EZ Spring Isolator.
- When possible Stagger RSIC-SI-CRC EZ, so the load is supported by all support members.
- 7/8" furring channel tied or screwed to the 1.5: crc channel using standard methods and spacing as determined by the load of the ceiling.
- 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-CRC 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-CRC EZ are used

6. Availability and Cost

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

7. Warranty

RSIC-SI-CRC 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