**1. Product Name**

●RSIC-1 Resilient Sound Clip System

• RSIC-1® Resilient Sound Isolation Clips

• RSIC-1 Backer®

**2. Manufacturer**

PAC International, LLC

7260 W Azure Dr

Suite 140-213

Las Vegas, NV 89130

Phone: (866) 774-2100

Fax: (866) 649-2710

Email: **info@pac-intl.com**

Web: [**www.pac-intl.com**](http://www.pac-intl.com)

1. **Product Description**

**RSIC-1**

The RSIC-1 is designed for use with any wood-framed, steel-framed, CMU, or concrete wall and ceiling system where noise control is needed. The RSIC-1 assembly decouples and isolates the gypsum board or sheet goods from the structure increasing the acoustical performance of the system.

The RSIC-1 stops the noise and vibrations that typically would be allowed to transfer through the structure. The RSIC-1 systems have several UL fire resistive design assemblies ranging from one hour to four hours.

The UL assemblies can be viewed on the PAC International, LLC site ([www.pac-intl.com](http://www.pac-intl.com)) and on [**UL.com**](http://UL.com). (File #: R16638)

Materials and Composition

The 18 gauge RSIC-1 clips are composed of galvanized or aluminum-zinc coated steel and is manufactured in Canby, OR.

The RSIC rubber isolators are made of a proprietary rubber and/or manufactured rubber compounds.



**RSIC-1**

Sizes and Weight-bearing Information:

The RSIC-1 has an acoustical design load rating of 36 pounds per isolator.

The RSIC-1 clip can support up to two layers of 5/8 inch gypsum board when spaced at 24 × 48 inches on center.

For heavier systems increase the number of isolators and channel to support the additional weight of the system. The RSIC-1 clip fastens directly to the framing or structure creating a 1-5/8 inch cavity between the face of the framing and the back of the gypsum board.

Product Limitations:

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

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

Underwriters Laboratories (UL)

**UL Fire Resistance Directory R16638** www.ul.com.

The RSIC-1 may contribute to LEEDS points, see Leed information on pac-intl.com

**5.** **Installation**

General installation: follow manufacturer's specific installation instructions.

* Install resilient sound isolation clips and drywall furring channels in accordance with manufacturer's instructions
* Mechanically fasten resilient sound isolation clips to structure with screws, bolts or expansion anchors, dependent upon structure
* Fire-Resistive Design Assemblies:

Install as specified in *UL Fire Resistance Directory*, where required

* Do not arbitrarily add resilient sound isolation clips to fire-rated assemblies
* Space resilient sound isolation clips at maximum of 24 × 48 inches (600 × 1200 mm) on center for walls and ceilings
* Do not exceed design load (pull and shear) of 36 pounds per isolation clip
* Stagger isolation clip installation, so dead 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
* Locate splices between resilient sound isolation clips
* Do not locate splices on resilient sound isolation clips
* Install resilient sound isolation clips on one side of wall assembly, unless otherwise indicated on the drawings

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
* Ensure metal ferrule of resilient sound isolation clips is in firm contact with structural member
* Gypsum Board:
* Install gypsum board in vertical or horizontal position with a 1⁄4 inch (6 mm) gap around perimeter for acoustical sealant application
* Install gypsum board in accordance with ASTM C840 as specified in Section 09250

Acoustical Sealant:

* Seal potential air leaks with acoustical sealant to achieve best Field Sound Transmission Class (FSTC)
* Seal electrical outlets and penetrations with acoustical sealant
* Apply fire-rated acoustical sealant at locations where fire- rated assembly is required
* Putty Pad Sealant: acoustically seal with putty pads, electrical boxes in walls and ceilings in which resilient sound isolation clips are used

**6. Availability and Cost**

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

**7. Warranty**

RSIC-1 clips and RSIC-1 Backer 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