1. Product Name

●RSIC-1 TTC Resilient Sound Clip System

2. Manufacturer

PAC International, LLC
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3. Product Description

RSIC-1 Retro

The RSIC-1 TTC 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 Retro assembly decouples and isolates the gypsum board or sheet goods from the structure increasing the acoustical performance of the system.

The RSIC-1 TTC stops the noise and vibrations that typically would be allowed to transfer through the structure. The RSIC-1 Retro 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) and on **UL.com**. (File #: R16638)

Materials and Composition

The 18 gauge RSIC-1 TTC 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 TTC

Sizes and Weight-bearing Information:

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

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

Underwriters Laboratories (UL)

UL Fire Resistance Directory R16638
www.ul.com.

The RSIC-1 Retro 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 Retro 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