1. Product Name

- RSIC-SIX Resilient Sound Clip..
  - RSIC-SIX Resilient Sound Isolation Spring Clip

2. Manufacturer

PAC International, LLC
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3. Product Description

RSIC-SIX

The RSIC-SIX is designed for use with ceiling system where noise control is needed. The RSIC-SIX assembly decouples and isolates the gypsum board or other sheet goods from the structure increasing the acoustical performance of the system.

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

Materials and Composition

The RSIC-SIX Spring and rubber isolator are made of rubber and/or manufactured rubber compound, and steel parts.

Environmental Considerations

The RSIC-SIX may contribute to LEEDS points, by reducing materials needed to achieve high STC and IIC floor ceiling systems.
The rubber and Steel portions can be recycled.

Weight-bearing Information

With an acoustical design load rating of 26 pounds, 13 pounds, and 7 pounds per isolator, The RSIC-SIX clip can support up to two layers of 5/8 inch gypsum board when spaced at 16” x 48 “ oc. For heavier systems increase the number of isolators and channel to support the additional weight of the system. The RSIC-SIX clip fastens directly to the underside of the structure.

RSIC-SIX

Product Limitations

For interior use only with operating temperatures of 40–100 degrees F (4.4–37.8 degrees C). Max load 26 Lbs,13Lbs ,7 Lbs.

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 E492** Standard Test Method for Laboratory Measurement of Impace Sound Transmission Loss of Building Partitions and Elements
- **ASTM E413** Classification for Rating Sound Insulation

Underwriters Laboratories (UL)

- **UL Fire Resistance Directory;** www.ul.com or visit **here.**

5. Installation

General installation:

follow manufacturer's specific installation instructions. Install as required by UL fire resistive design.

- Install RSIC-SIX Resilient Sound Isolation Spring Clip following the manufacturer recommendations

- Fasten the RSIC SIX to the structure
  - For attaching to concrete use RSIC-SIX ADM Multi-Clip version with concrete pin. When fully loaded the air gap is between 3” and 6” adjusted by bolt length.
  - For Wood framed ceilings use a min #10 x 3-1/2” long coarse thread screw. When fully loaded the air gap is 2”
  - For Steel framed ceilings use a min length #10 x 2-1/2” long self-drilling fine thread screw. When fully loaded the air gap is 2”

- Install 7/8” 25 Ga drywall furring channel (Hat Channel) into RSIC-SIX at a maximum of 16 × 48 inches on center. 7/8” 25 GA drywall furring channel snaps into the RSIC SIX bottom part creating a 2” air gap from the under side of wood and steel framing.

- Max design load of each RSIC-SIX. 26 Lb, 13 Lb, and 7 Lb.

- Max spacing 16” x 48” oc.

- Splicing Drywall Furring Channels:
  - Splice drywall furring channels with minimum of six inch overlap.
  - 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

- Flanking Noise:
  - Review installation details to prevent structure-borne flanking noise
  - Do not allow drywall furring channels or gypsum board to contact wall framing members

- Gypsum Board:
  - Install gypsum board in perpendicular to the Drywall Furring Channel. Leave a ¼ 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-SIX clips are guaranteed free of manufacturer defects. Only remedy is the replacement of the defective component or components. Manufacturer is not liable for delays or extra costs.

8. Maintenance

No maintenance is necessary.

9. Technical Services

PAC International LLC. 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

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