



# **RSIC-1 ADM Multi Clip**



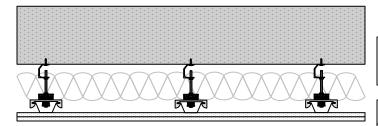
The **RSIC-1-ADM Multi Clip** designed for use with Concrete, Steel or Wood framed ceilings where noise control is required. The RSIC-1-ADM Multi Clip isolator is a labor saving adjustable mount ceilings. Fasten the clip to the framing or concrete and and spin the isolator to adjust up and down for a level ceiling. With an Acoustical design load rating of 36 lbs per isolator, the RSIC-1-ADM Multi Clip clip can support up to two layers of 5/8" gypsum board when spaced at 24" x 48" oc., and 3 layers when spaced at 16" x 48" oc. The RSIC-1-ADM Multi Clip clip attaches directly to the bottom of the framing or concrete, or to the side of a wood, or steel joist decoupling the gypsum board from the structure stopping STC and IIC vibrations from entering the space below.

#### RSIC-1 ADM Multi Clip, the Low Cost, High Performance, Noise control Solution

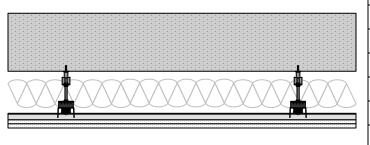
Steel	
Condo	
Commercial	

Apartment
Retail
Conference Rooms

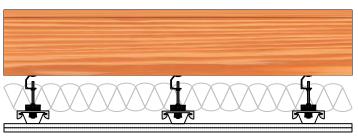
Rec	ording Studio	
Home Theater		
Comr	mercial theater	



## RSIC-1-ADM Multi Clip specifications:



Acoustical design load:	36 Lbs
Total deflection	3 mm
Double deflection	Yes (1.5 mm)
Low VOC	Yes
Adjustable	Yes
Cavity min	2-5/8"
Cavity Max	Up to 12"
Adjustment limit	Threaded Rod
Use on Ceilings	Yes
Use on walls	No
New Construction	Yes
Assembled in USA	Yes







#### GYPSUM BOARD ASSEMBLIES 09-21-16

#### PAC INTERNATIONAL, LLC.



#### 1. Product Name

•RSIC-1 ADM Multi Clip Resilient Sound Clip

#### 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

# 3. Product Description RSIC-1 ADM MULTI CLIP

The RSIC-1 ADM Multi Clip is designed for use with any concrete ceiling system where noise control is needed. The RSIC-1 ADM Multi Clip assembly decouples and isolates the gypsum board or sheet goods from the structure increasing the acoustical performance of the system.

The RSIC-1 ADM Multi Clip stops the noise and vibrations that typically would be allowed to transfer through the structure.

#### Materials and Composition

The 18 gauge RSIC-1 ADM Multi Clip is composed of galvanized or aluminum-zinc coated steel.

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

The RSIC-1 ADM Multi Clip assembly is made in Canby, OR.

Sizes and Weight-bearing Information:

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

The RSIC-1 ADM Multi Clip can support up to two layers of 5/8 inch gypsum board when spaced at 24 x 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 ADM Multi Clip fastens to the RSIC-Multi Clip with a ¼"x20 threaded rod Allowing for a cavity between 6" and 48" between the bottom of the concrete 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 Divisions: 09-2000

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

#### 5. Installation

General installation: follow manufacturer's specific installation instructions.

 Install resilient sound isolation clips and supporting added items in accordance with manufacturer's instructions

#### **RSIC-1 ADM MULTI CLIP**





#### GYPSUM BOARD ASSEMBLIES 09-21-16

PAC INTERNATIONAL, LLC.

#### Mechanically fasten RSIC-Multi Clip to structure with powder, gas, or mechanical actuated pins. Follow local guidelines for attachment guide.

- Space resilient sound isolation clips at maximum of 48 x 48 inches (1200 x 1200 mm) on center for ceilings
- Do not exceed design load (pull and shear) of 36 pounds per isolation clip
- Install Drywall furring channel directly into the RSIC-1 ADM Multi Clip
- Attach Gypsum board support system to RSIC-1 ADM Multi Clip

#### Flanking Noise:

- Review installation details to prevent structure-borne flanking noise
- Do not allow gypsum board to contact foreign materials such as other ceilings or wall framing members.
- Install gypsum board in perpendicular to the supported framing member with a 1/4 inch (6 mm) gap around perimeter of the ceiling 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 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 ADM Multi Clip have no acoustical performance warranty.

#### 8. Maintenance

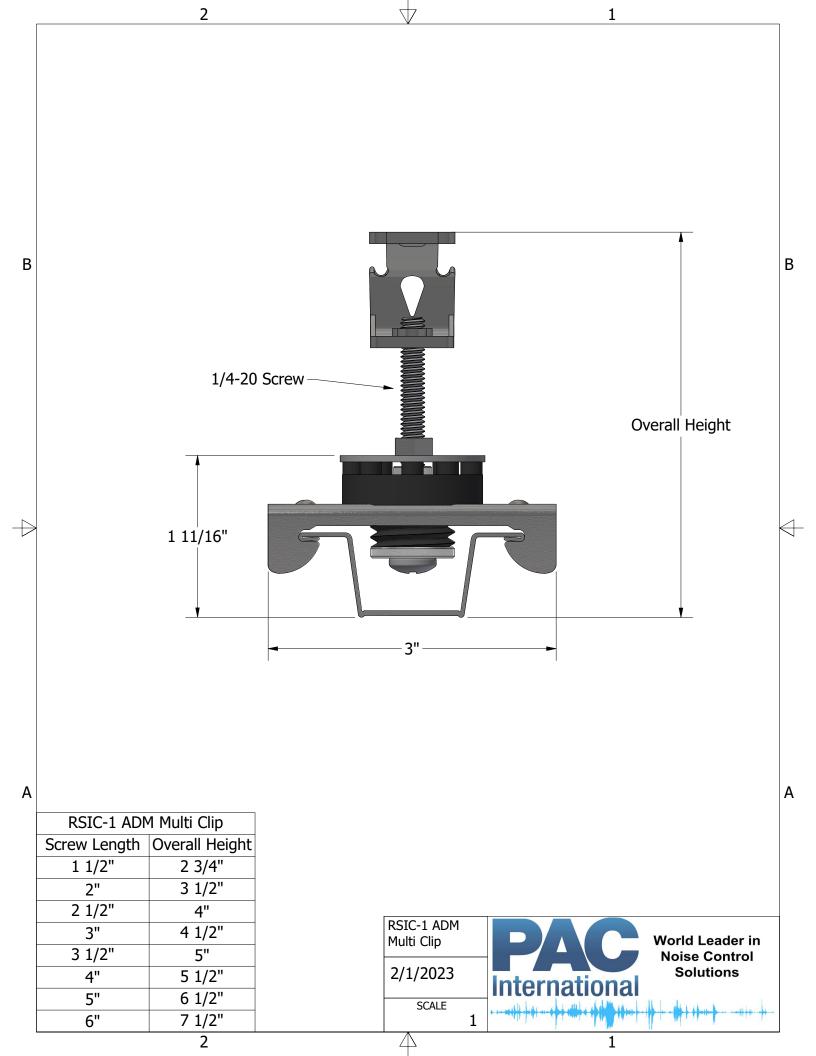
No maintenance is necessary.

#### 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

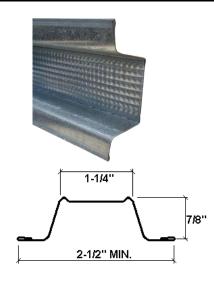


# RSIC-1-ADM INSTALLATION GUIDE



# RSIC-1 ADM Multi Clip

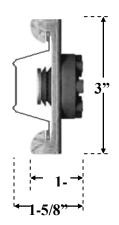
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#### **Drywall Furring Channel:**

- Minimum Requirements: 25 gauge with hemmed edge required. Meets or exceeds SSMA requirements.
- **Depth:** 7/8 inch
- **Width Bottom:** 2-9/16" to 2-11/16" inch wide nominal.
- Width Top: 1-1/4 inch wide

Splice drywall furring channel (hat track) with 6 inch overlap in mid span (between two clips) secure with 18 ga tie wire, or two 7/16" framing screws.



#### **Resilient Sound Isolation Clip (RSIC-1ADM)**

- **Maximum Spacing:** 48 inches on center
- Maximum Acoustical Design Load: 36 lbs

#### **RSIC-1ADM Dimensions:**

- RSIC-1ADM clip 3" wide
- RSIC-1ADM clip 1-1/4" deep

#### **Fasteners:**

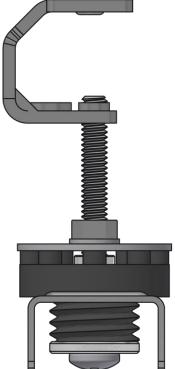
- RSIC-1ADM Multi Clip to Concrete:
- The RSIC-1ADM Multi Clip is shot into the concrete with a gas, or powder actuated 3/4" pin min. Please verify use of pin is allowed for overhead installations.



- The RSIC-1ADM Multi Clip is fastened to the wood frame with min #7 x 1-5/8" coarse thread screw
- RSIC-1ADM Multi Clip to Steel:
- The RSIC-1ADM Multi Clip is fastened to the steel frame with min #7 x 1" fine thread screw
- Call for information on additional approved fasteners







- Resilient Sound Isolation Clips (RSIC-1-ADM) shall be 48 inches (1219mm) on center
- Resilient Sound Isolation Clips (RSIC-1-ADM) has an acoustical design max load of 36 lbs per isolator.
- Install RSIC-1-ADM Multi Clip to concrete with powder or gas actuated 3/4" pin minimum.
- Install RSIC-1-ADM Multi Clip to Wood or Steel frame with approved fastener from previous page.
- Bend the RSIC-1 clip down until it is parallel with the floor.
- Adjust the height of the RSIC-1 on the threaded rod/bolt to desired height.
- Lock RSIC-1-ADM into final elevation with jam/lock nut
- Ensure the metal ferrule is tight to the washer, slightly compressing the rubber
- Install the furring channel (hat track) into the RSIC-1-ADM clips. maximum spacing is 24" oc.
- Install the gypsum board leaving a 1/4" min. gap around the gypsum board ceiling.
- Caulk around entire perimeter of the gypsum board. Use fire rated sealant where required.

#### Thread length for desired drop to back of gypsum board:

- Min drop 2-5/8" drop = 1-1/2" bolt
- Up to 3" drop = 2" bolt
- Up to 3-1/2" drop = 2-1/2" bolt
- Up to 4" drop = 3" bolt
- Up to 4-1/2" drop = 3-1/2" bolt
- Up to 5" drop = 4" bolt
- Up to 5-1/2" drop = 4-1/2" bolt
- Up to 6" drop = 5" bolt

#### **General Information:**

- Resilient Sound Isolation Clip (RSIC-1ADM), furring channel (hat track) and gypsum board shall not carry heavy loads such as cabinets, book shelves, or light fixtures without additional RSIC supports.
- Splice furring channel (hat track) with 6 inch overlap in mid span, secure with 18 ga. tie wire or with two framing screws (7/16").
- Seal all potential air leaks with non-hardening acoustical caulking to achieve best noise control results. Use fire rated sealant where required.

#### **Fire Test Information:**

RSIC products are approved for classification and use in over 150 different UL Fire Resistive Design Assemblies.

Check our website for the latest updates of the fire testing: <a href="https://www.pac-intl.com">www.pac-intl.com</a>

Check UL Fire Resistance Directory File # R16638 Check UL's web pages. www.ul.com/database

Contact UL (877) UL- HELPS

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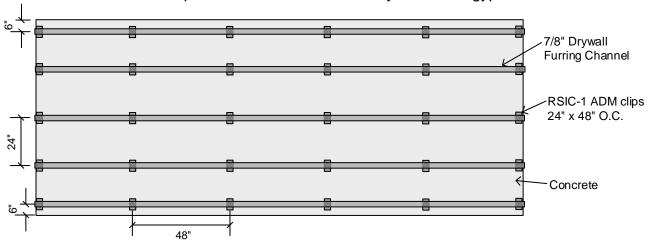
#### APPLICATION RECOMMENDATIONS FOR CONCRETE CEILINGS

INSTALLING RESILIENT SOUND ISOLATION CLIPS (RSIC-1 ADM)

## RSIC CLIPS AT 24" and 16" O.C.

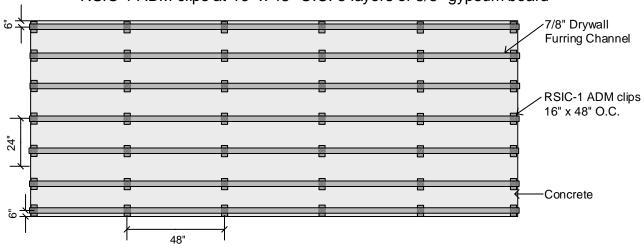
# **RSIC-1 ADM Ceiling System**

RSIC-1 ADM clips at 24" x 48" O.C. 1 or 2 layers of 5/8" gypsum board



# **RSIC-1 ADM Ceiling System**

RSIC-1 ADM clips at 16" x 48" O.C. 3 layers of 5/8" gypsum board



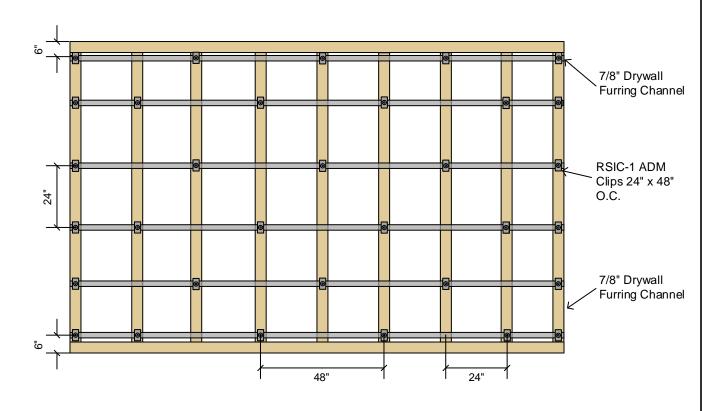
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# APPLICATION RECOMMENDATIONS FOR WOOD AND STEEL CEILINGS

INSTALLING RESILIENT SOUND ISOLATION CLIPS (RSIC-1 ADM)

## RSIC-1 ADM CLIPS AT 24" O.C.

Ceiling System Framing at 24" O.C RSIC-1 ADM clips at 24" x 48" O.C. 1 or 2 layers of 5/8" gypsum board



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# Members of the International Code Council

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THE MODEL OR SAMPLE SHOWN BY SELLER TO BUYER IS USED FOR DEMONSTRATION PURPOSES ONLY. THERE IS NO WARRANTY THAT THE GOODS AS DELIVERED SHALL CONFORM TO THE MODEL OR SAMPLE, AND CONFORMITY OF THE GOODS TO THE MODEL OR SAMPLE IS NOT PART OF THE BASIS OF THE BARGAIN BETWEEN SELLER AND BUYER.

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#### NEVADA LAW APPLIES

SELLER AND BUYER AGREE THAT ALL ASPECTS OF THIS TRANSACTION INCLUDING THE APPLICABLE STATUTE OF LIMITATIONS SHALL BE GOVERNED BY THE INTERNAL LAW OF THE STATE OR NEVADA, AND NOT THE LAWS OF CONFLICTS. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state

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LEED Analysis
RSIC-1 ADM Multi Clip/Shoot in

#### **Recycled Content**

PAC International's RSIC-1 ADM Multi Clip/Shoot in does not contain signification recycled content.

#### **Fabrication Location**

The RSIC-1 ADM Multi Clip/Shoot in is manufactured in Canby, OR 97013

#### **Material Source**

The extraction points for the materials in these products cannot be verified. Assume they are outside the 500 mile radius.



# **Safety Data Sheet**

**Article Statement** (PAC International, LLC Wall and Ceiling Isolation Products)

RSIC-1 RSIC-SIX RC-1 Boost RSIC-WHI RSIC-SI-1 Ultra RSIC-SI-CRC EZ RSIC-SI-WHI

**RSIC-SI-FF** RSIC-1 EXT04 RSIC-1.5 CRC

**RSIC-1 LOW PROFILE** 

**RSIC-1 EDGE RSIC-1 TTC RSIC-1 RETRO** 

RSIC-1 BACKER RSIC-1 ADM MULTI CLIP/SHOOT IN

RSIC-1 ADM MINI DROP IN

**RSIC-1 ADM WOOD** 

**RSIC-1 ADM SIDE MOUNT** 

RSIC-U-HD RSIC-WFI RSIC-FGP

RSIC-U

RSIC-DC04 RISC-DC04HD/DD

RSIC-DC04X2

RSIC-DC04X2HD/DD

RSIC-V

RSIC-FCR-HD

RSIC-2

**RSIC-2 RETRO** 

**RSIC-CWB** 

RSIC-CWB HD/DD

RSIC-CWB HD/DD DC

**RSIC-JOIST ISOLATOR** 

**RSIC-GDS KIT** 

RSIC-AMI

RSIC-FS TV

RSIC-PERIMETER TAPE

RSIC SUPER SCREW

**RSIC-PUTTY PADS** 

RSIC MUTLI CLIP

PAC PRO MC 150+

LEVELING CLIP

This document is provided for clarification of the Safety Data Sheets that you have requested for our product(s). OSHA Hazard Communication Standard requires a SDS for hazardous chemicals; however, the standard exempts all articles from the requirement. The explanation of an article is described per OSHA definition below.

Pursuant to 29 CRF 1910.1200 (b) (6) (v) and (c), the product described herein is an "article" or is otherwise excluded from OSHA regulations requiring that a Material Safety Data Sheet be prepared for it.

An article defined: manufactured item other than a fluid or particle: (i) which is formed to a specific shape or design during manufacturing; (ii) which has an end use function (s) dependent in whole or in part upon its shape or design during end use; and (iii) which does not release, or other wise result in exposure to, a hazardous chemical under normal conditions of use.

For technical information and additional resources covering these products please refer to PAC International published literature, e.g., data sheets, product drawings, and installation guidelines at www.pac-intl.com

As of the date of this document, the foregoing information is believed to be accurate and is provided in good faith to comply with applicable federal and state laws. However, no warranty or representation of law or fact, with respect to such information, is intended or given.



# **Solutions**

RSIC-1®

RSIC-SI-X

RSIC-SI-X ADM

RSIC-SI-X Low Profile

RSIC-SI-X CRC

RC-1 Boost ®

PAC-RCB

RSIC-SI-CRC2 LP

RSIC-SI-1 Ultra

RSIC-SI-CRC EZ

RSIC-SI-WHI

**RSIC-SI-FF** 

RSIC-1 EXT04

RISC-1.5 CRC

**RSIC-1 Low Profile** 

RSIC-1 Edge

**RSIC-1 TTC** 

**RSIC-1 Retro** 

**RSIC-1 Backer** 

RSIC-1 ADM

RSIC-U

RSIC-U-HD

**RSIC-WFI** 

**RSIC-FGP** 

RSIC-DC04

RSIC-DC04 HD/DD

RSIC-DC04X2

RSIC-DC04X2 HD/DD

RSIC-V

RSIC-V Backer

RSIC-2

RSIC-2 Retro

**RSIC-CWB** 

RSIC-CWB HD/DD

RSIC-CWB HD/DD DC

RSIC-Joist Isolator

**RSIC-GDS Kit** 

**RSIC-AMI** 

**RSIC-FS TV** 

**RSIC-Perimeter Tape** 

**RSIC Super Screw** 

**RSIC-Putty Pad** 

RSIC-Multi Clip

**RSIC-FRC-HD** 

PAC-IFB

# **RSIC** ® Product Warranty Disclaimer

#### WARRANTY DISCLAIMER AND LIABILITY LIMITATION LANGUAGE ONE YEAR WARRANTY

Seller warrants to the original purchaser that its products are free from defects in material or workmanship for one year from the date of purchase from seller. Any allegedly defective product that is portable must be returned to seller prepaid. If upon examination it appears to the seller's satisfaction that the product is defective, seller shall repair, replace or return the purchase price of the product at seller's option.

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