PAC International

NOISE CONTROL SOLUTIONS

REAL SOLUTIONS IN CONSTRUCTION

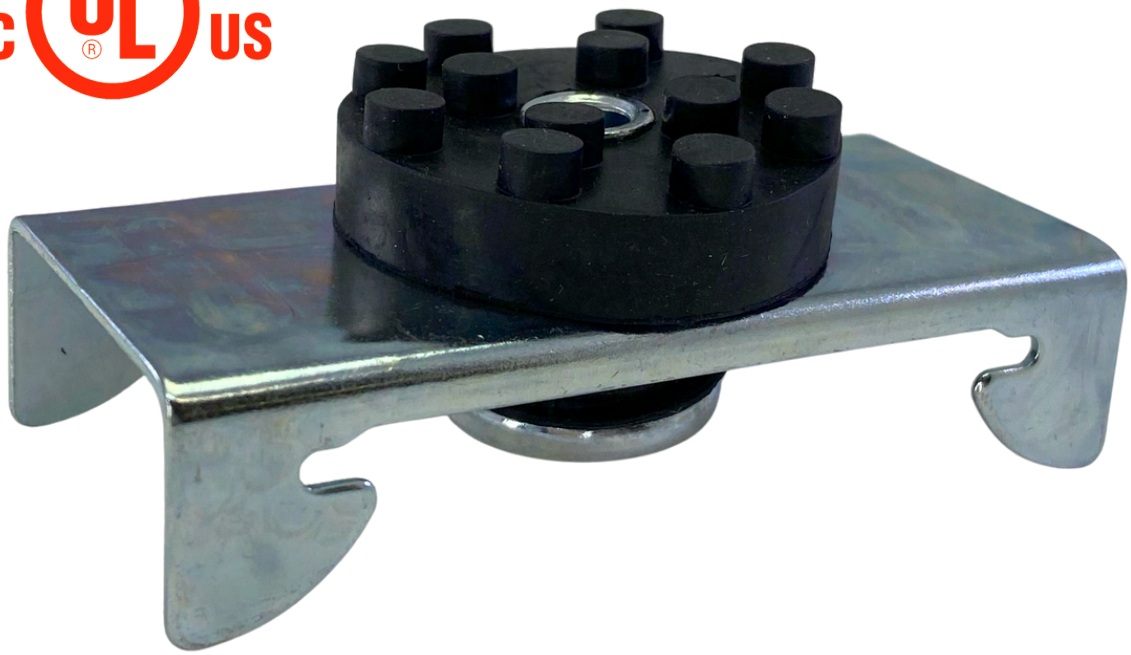
WELCOME TO PAC INTERNATIONAL

We specialize in manufacturing high-performance noise-control products for building construction

PAC International offers extensive expertise in acoustics, fire, and construction to provide real solutions in construction

RSIC-1®

Included in over 174 UL fire-resistive designs



THE ORIGINAL RESILIENT SOUND ISOLATION CLIP

THE ORIGINAL SOUND ISOLATION CLIP

The RSIC-1 is the original sound isolation clip and is included in more UL fire-resistive design assemblies than any other clip. It can be used on walls and ceilings. With over 20 years of testing, PAC has an extensive database of tests, including standard and many unique assemblies. It's long been established that the RSIC-1 provides high levels of sound isolation on single-stud walls, and it's the preferred choice of acoustical consultants. However, it's not just single-stud walls. Even on double-stud walls, the RSIC-1 can be essential to achieving the desired sound isolation.

APPLICATIONS

- Condo Buildings
- Retail Spaces
- Recording Studios
- Home Theaters
- Commercial Spaces
- Apartment Buildings
- Conference Rooms
- Commercial Theaters

TYPES OF SYSTEMS


WOOD


STEEL

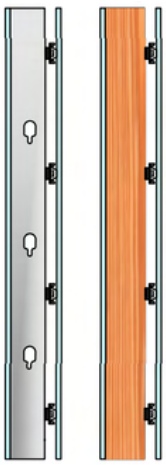

CMU


CONCRETE

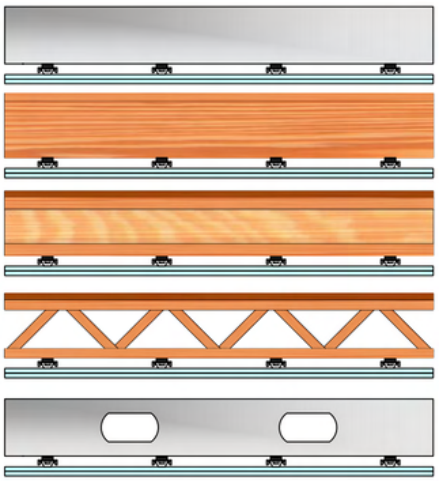
SPECIFICATIONS

Acoustical Design Load	36 Lbs
Total Deflection	3 mm
Cavity Depth	1 5/8"
Low VOC Tested	Yes
Use in Ceilings	Yes
Use in Walls	Yes
Use in New Construction	Yes
Use in Retrofit	Yes

WALLS



CEILINGS



Quality Assurance

Are you sure you're getting the genuine RSIC-1® on your project?

PAC International has recently become aware of several unauthorized companies selling counterfeit clips under the RSIC®, RSIC-1®, and Resilient Sound Isolation Clip® names which are all protected under US registered trademarks. There are, of course, many authorized distributors of PAC's products, and you can find them on our website. These distributors have been great partners over the years, and they are NOT who we're talking about. We are talking about companies selling products that look like the RSIC-1 using the RSIC or Resilient Sound Isolation Clip name, but that are not manufactured or supported by PAC.

Counterfeit or look-alike products may NOT possess the genuine features the RSIC-1® offers

When you buy a genuine RSIC-1®, you will get:

- The ORIGINAL resilient sound isolation clip
- 20+ years of experience and installations
- Backed by hundreds of acoustical tests
- Over 170 UL fire-resistive designs
- Direct support from experts in acoustics, fire, & construction
- Full QA program including an in-depth inspection and testing procedure to test for quality, strength, and performance
- Load tests to show the product meets or exceeds code-required safety
- VOC testing to ensure compliance with CFHP standards for classrooms and offices

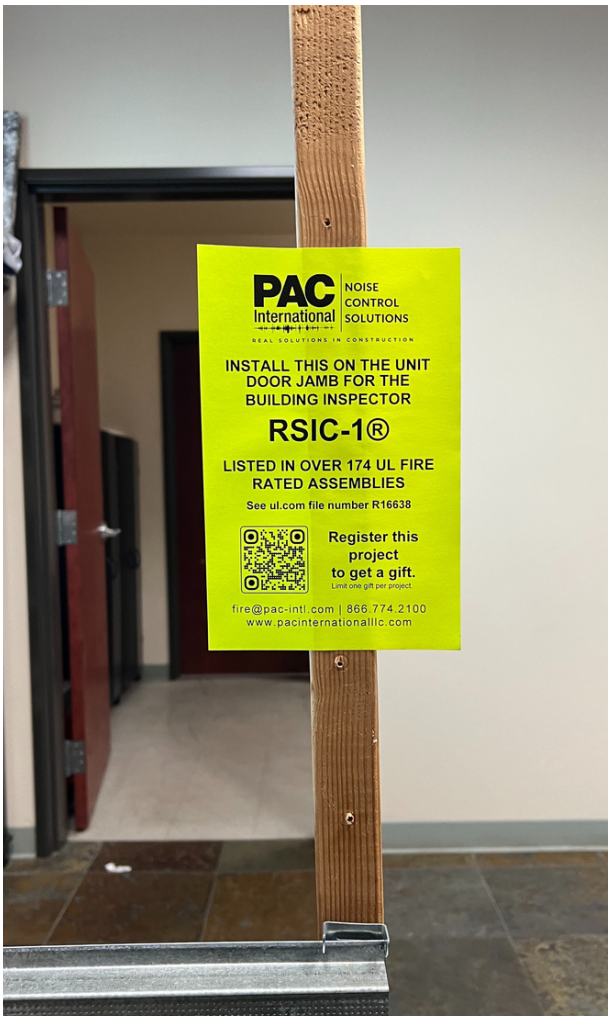
Quality Assurance

PAC International is implementing a new quality assurance program to help ensure that genuine RSIC-1® clips are installed on a project. When RSIC clips are delivered to the job site, each box of clips will come with a QR code that can be used to register the project and notify the building official of the product used on this project. Registering the project will verify that genuine RSIC-1 clips have been delivered and installed. This innovative program offers verification for acoustical engineers, architects, and building officials alike. You can request information from your on-site installer and register it yourself or have them do it for you.

Examples of the new QA Stickers

RSIC-1® QA Sticker "At Clip"

RSIC-1® QA Sticker "At Door Jamb"



FORMULA ONE PADDOCK

LAS VEGAS, NEVADA

PRODUCT

RSIC-1®

OVERVIEW

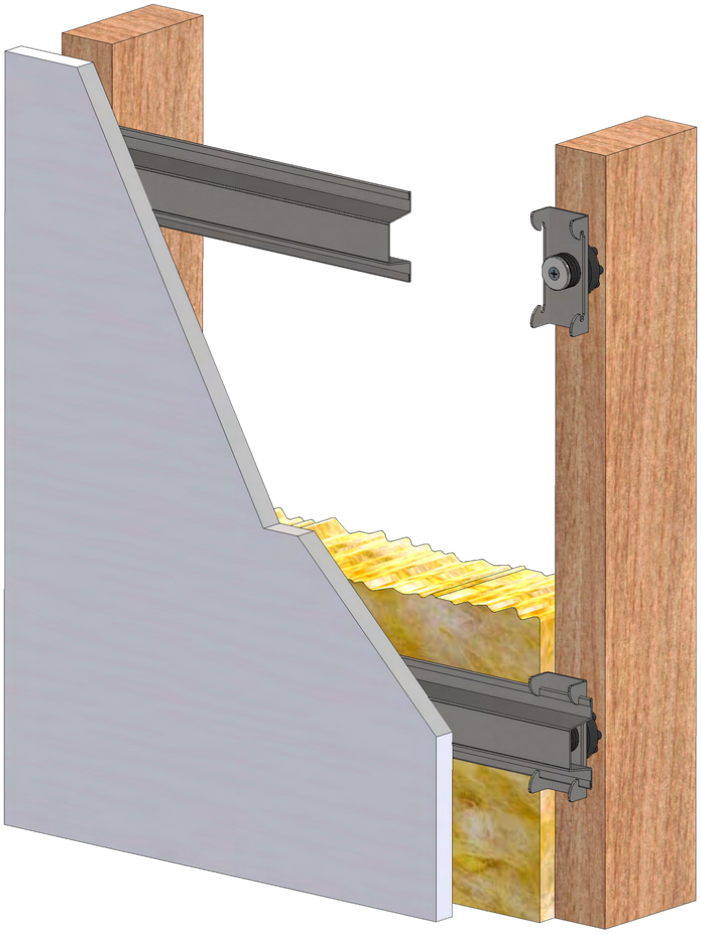
The PAC RSIC-1 sound isolation clips were installed in the Formula One Paddock in Las Vegas, Nevada. The RSIC-1 clips were installed within the walls and ceilings above the paddock garages in order to stop noise and vibrations from entering the suites above.

PROJECT DETAILS

300,000 sq ft paddock building, 4 level parking structure, 13 garages with three bays each, and premium clubs & bars

DISTRIBUTOR

L&W Supply



RSIC-1®

CLASSIFIED c UL US

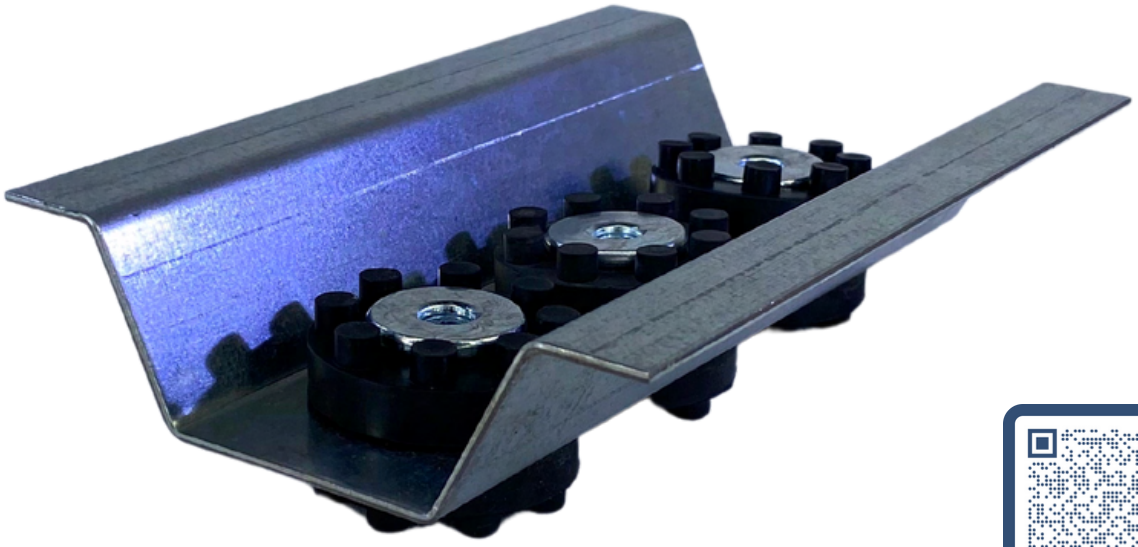
Reliable performance

Outperforms resilient channel

Included in over 174 UL fire-resistive designs

In stock & shipping now

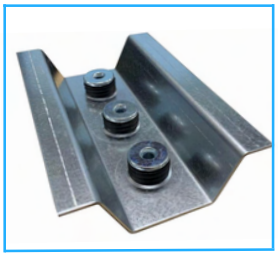
RSIC-1® Backer & RSIC-1® Backer HD

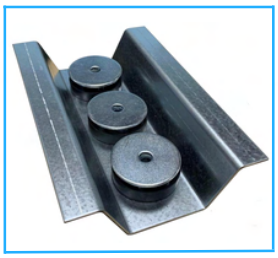


HEAVY DUTY MOUNT FOR USE WITH RSIC-1 SYSTEMS

RSIC-1® Backer

STANDARD →





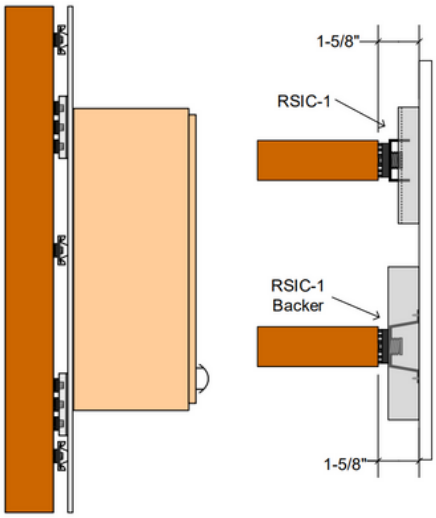
← HEAVY DUTY

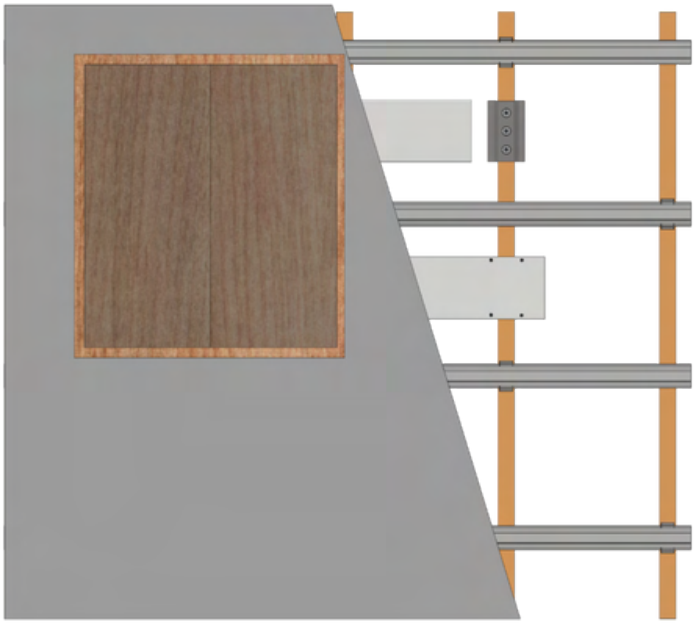
HEAVY DUTY MOUNT FOR RSIC-1® SYSTEMS

The RSIC-1 Backer is an acoustically isolated backer for mounting heavy objects in conjunction with the RSIC-1 sound isolation clip. The RSIC-1 Backer aids in eliminating a common problem with short circuits within your wall assembly. Without the RSIC-1 Backer, the acoustical performance of the wall is degraded when heavy items are mounted directly to the structure. This product can be used in various applications where extra support is required, including cabinets, chalkboards, projector screens, TV wall mounts, shelving, lockers, speakers, and many more.

APPLICATIONS

- Cabinets
- Chalkboards
- Lockers
- Shelving Units
- Projector Screens
- TV Wall Mounts
- Speaker Systems
- Home Theaters





SPECIFICATIONS

Acoustical Design Load	108 Lbs - 216 Lbs
Total Deflection	3 mm
Cavity Depth	1 ⅝"
Use in Walls	Yes
Use in Ceilings	Yes
Use in Retrofit	Yes
Use in New Construction	Yes

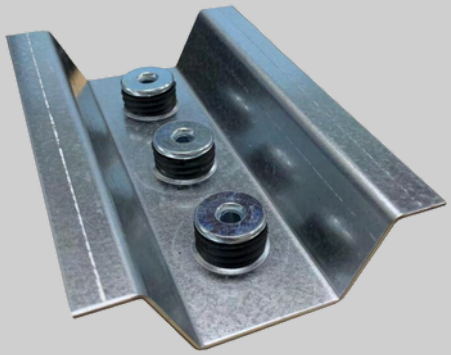
RSIC-1® Backer

TL RESIDENCES

SAN FRANCISCO, CA

PRODUCT

RSIC-1® BACKER



OVERVIEW

The RSIC-1 Backer was installed for use as a acoustically isolated backer system in the TL Residences located in San Francisco, California. The RSIC- 1 Backer was installed throughout the residences to maintain acoustical performance of the wall system. While being able to safely install flat screen TVs and Murphy beds in select units.

PROJECT DETAILS

240 micro-unit apartment home community, 3,000 SF of retail, LEED gold standards, and units approximately 230 to 280 square feet

DISTRIBUTOR

L&W Supply

RSIC-1® Backer

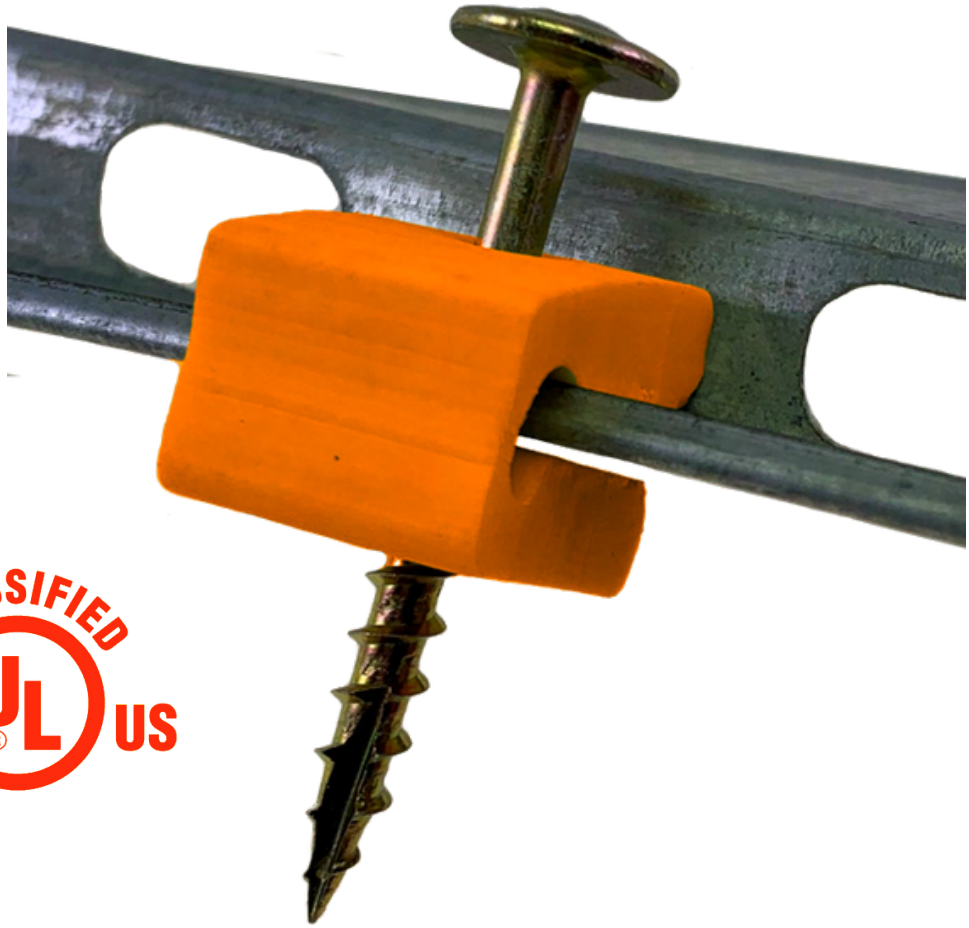
Eliminates short-circuits common when mounting heavy items on acoustically isolated walls

Necessary to maintain the acoustical performance of a RSIC-1 system when mounting heavy items

Available in multiple load capacities for design flexibility

Acoustically tested to maintain acoustical performance

RC-1 Boost®

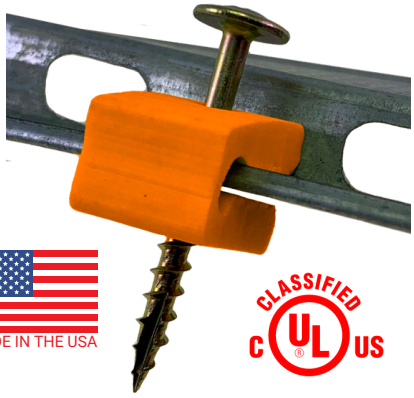


CLASSIFIED
C UL US

SAVE MONEY,
BOOST PERFORMANCE

RC-1 Boost®

BOOST IIC RATINGS BY 5 POINTS!



MADE IN THE USA

CLASSIFIED C UL US

RC-1 Boost is the most cost-effective way to improve the IIC rating of common floor/ceiling assemblies with resilient channels.

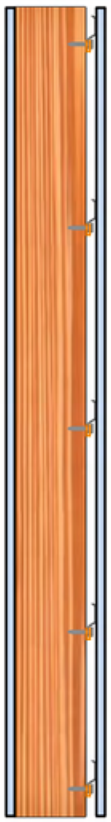
PAC's testing shows that adding the RC-1 Boost can consistently provide a 5-point increase in the IIC rating of assemblies with resilient channels. This makes the RC-1 Boost a less expensive and more effective means of improving IIC ratings when compared with the typical methods of adding batt insulation or gypsum board layers.

RC-1 Boost can be used to make the acoustical performance of other resilient channels match or exceed that of RC-Deluxe. This provides many alternatives to RC-Deluxe to allow for more competitive bidding, and it provides a solution for times when RC-Deluxe is specified but another type of channel is sent to the job site.

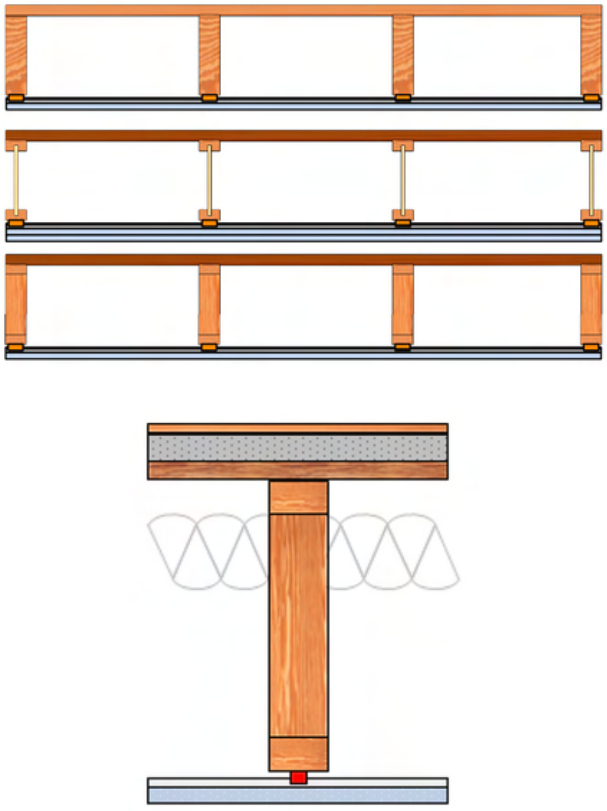
COLORS AVAILABLE

Currently available in two colors with no performance differences

WALLS



CEILINGS



APPLICATIONS

Multi-family Housing

SPECIFICATIONS

Acoustical Design Load	Up to 18 Lbs
Cavity Depth	3/4"
Use in Ceilings	Yes
Use in Walls	Yes
Use in New Construction	Yes
Made in USA	Yes

ABOUT RC-1 BOOST®

The RC-1 Boost was designed to work with all RC to improve its acoustical performance. PAC's extensive laboratory testing shows that the RC-1 Boost consistently improves the acoustical performance of alternative RC so that it meets or exceeds the performance of the premium RC without Boost. Specifically, the RC-1 Boost consistently added five IIC points for all the RC makes and models PAC tested.

CHALLENGE/SOLUTION #1

When the contractor went to get the proprietary resilient channel specified for the project, it was unavailable. The contractor reached out to the project team for suitable alternatives and Nick Block (SLR Consulting), the project's acoustical consultant, recommended using PAC's RC-1 Boost with the available resilient channel to keep the project moving while maintaining the project's acoustical performance goals.

CHALLENGE/SOLUTION #2

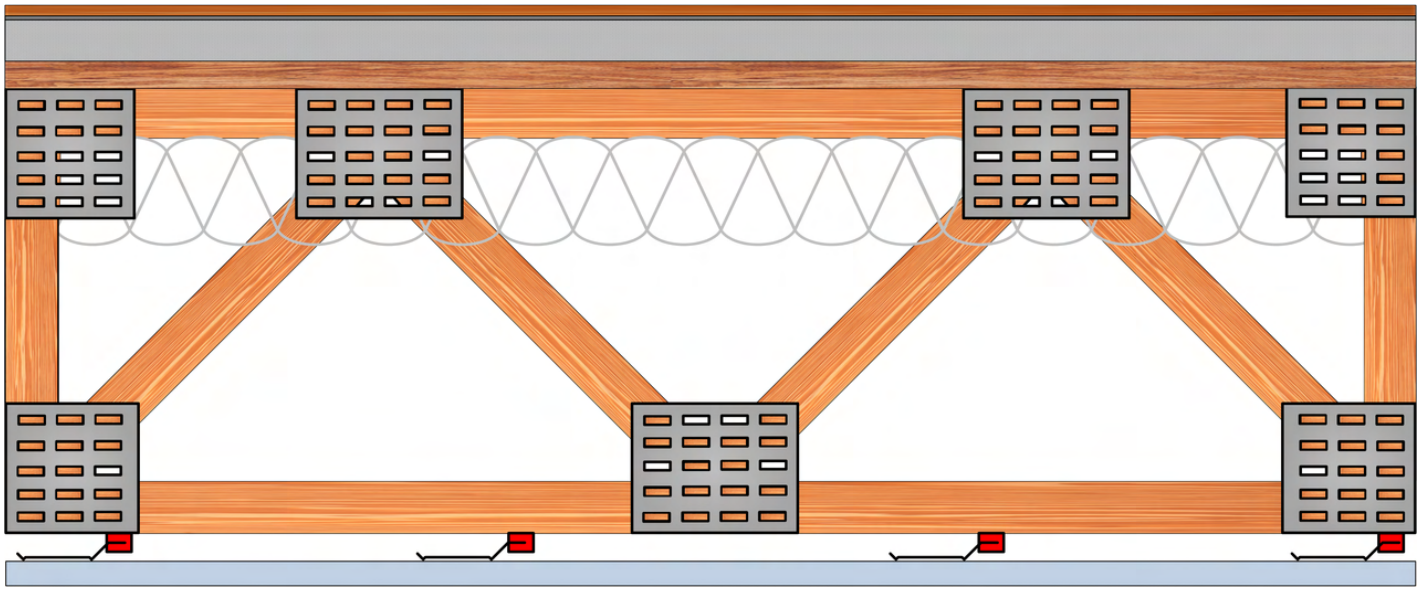
During the first building inspection after the installation of the RC-1 Boost the building inspector questioned the use of the RC-1 Boost with the lightweight gypsum board used on the project. The issue arose from the inspector's narrow and strict interpretation of the relatively new UL design for the project's floor/ceiling assembly. Crescent Communities immediately reached out to PAC for assistance, and we worked directly with UL to provide the documentation the inspector needed to approve the assembly design.

"Resilient channel product availability has created issues on numerous projects over the past year. PAC International was able to provide a solution with the RC-1 Boost that exceeded the performance of the originally specified resilient channel when installed with the available lower performing resilient channels."

Nick Block
Senior Engineer at SLR Consulting

RC-1 BOOST

RC-1 Boost®



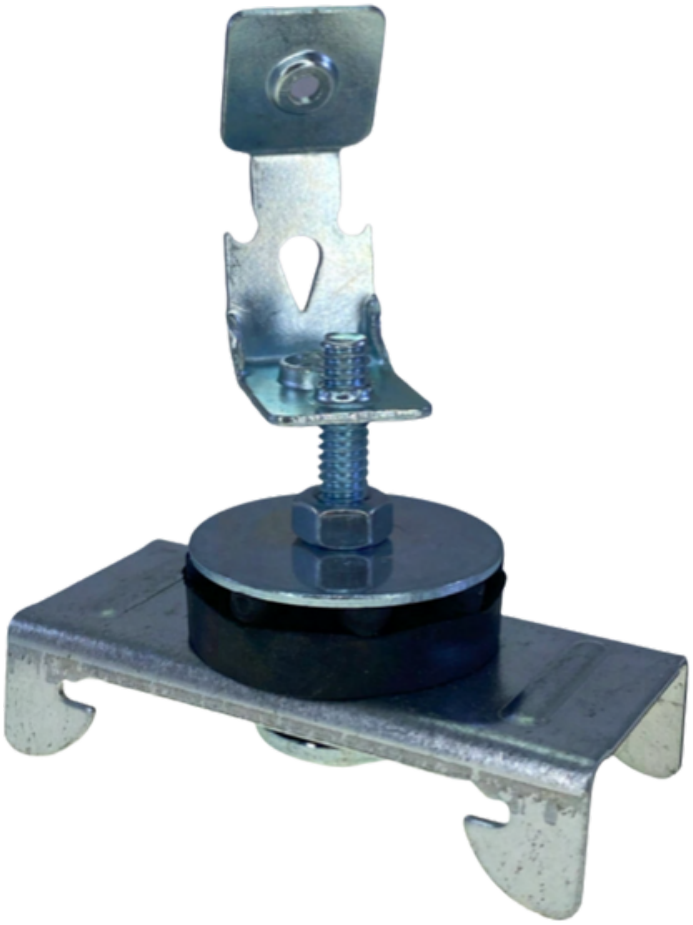
Improves performance of all resilient channel

Most cost-effective IIC improvement

Alleviates supply issues with premium resilient channels

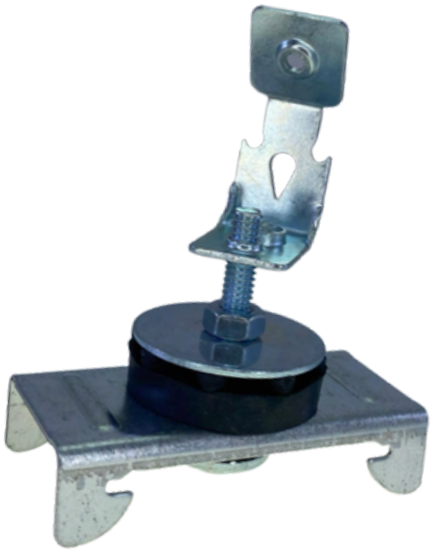
Included in over 78 UL fire-resistive designs

RSIC-1® ADM



MAXIMUM ACOUSTICAL PERFORMANCE WITH MINIMAL CEILING DROP

LABOR SAVING ADJUSTABLE CEILING MOUNT

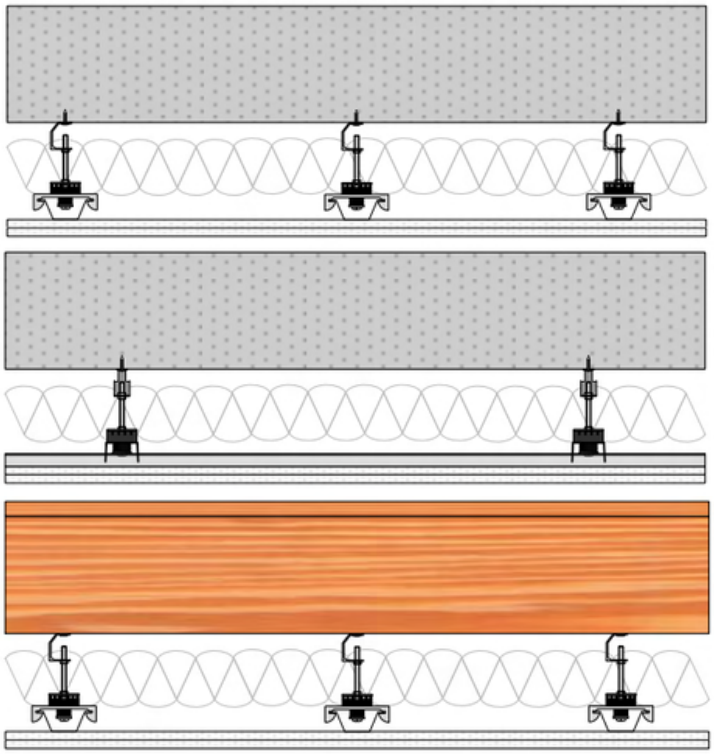


PAC's RSIC-1 ADM is the perfect solution for areas where you need high levels of sound isolation and space is at a premium. It can be shot into the bottom of concrete slabs and composite decks for quick and easy installation. The RSIC-1 ADM can be installed with plenum depths as small as 2-5/8". It's a great alternative to springs for condominiums, gyms, amenity spaces, generator rooms, and retail spaces below living units.

The RSIC-1 ADM Multi Clip attaches directly to the bottom of the framing or concrete or the side of a wood or steel joist, decoupling the gypsum board from the structure and reducing sound transfer between spaces.

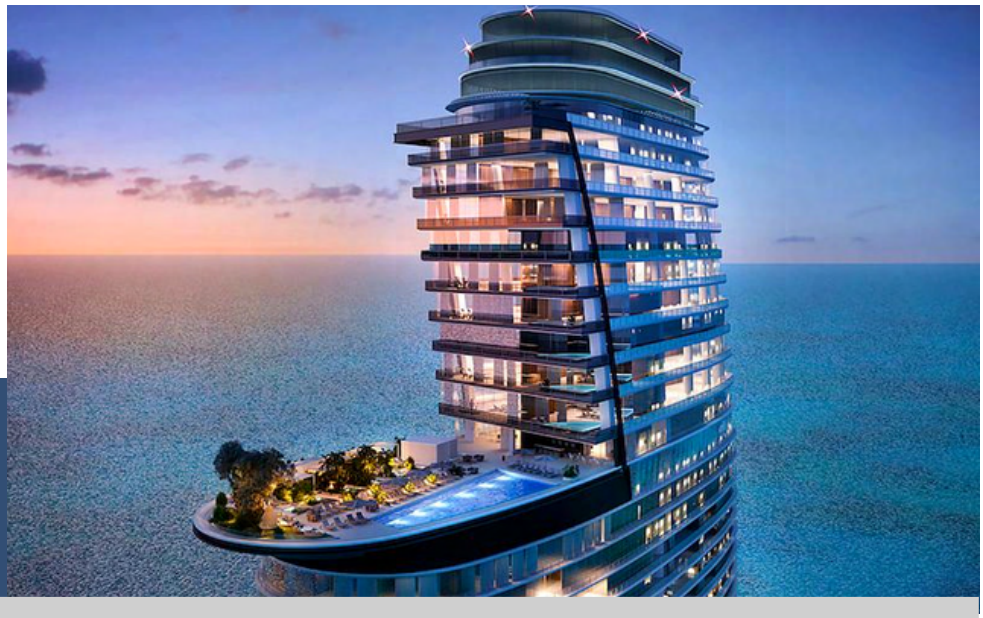
APPLICATIONS

- Mechanical Rooms
- Apartment Buildings
- Recording Studios
- Condo Buildings
- Retail Spaces
- Conference Rooms
- Commercial Theaters
- Mixed-Use Spaces



SPECIFICATIONS

Acoustical Design Load	36 Lbs
Total Deflection	3 mm
Adjustable	Yes
Cavity Minimum	2-5/8"
Cavity Maximum	Up to 12"
Low VOC Tested	Yes
Use in Ceilings	Yes
Use in Walls	No
Use in New Construction	Yes
Use in Retrofit	Yes

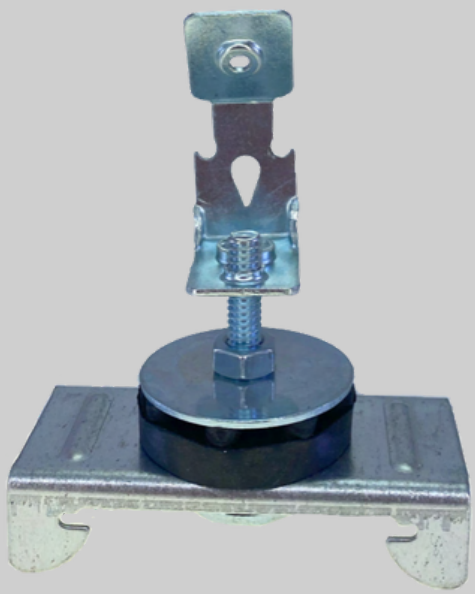


ASTON MARTIN RESIDENCES

MIAMI, FLORIDA

PRODUCT

RSIC-1® ADM



DISTRIBUTOR

Voyce-Legier

OVERVIEW

The RSIC-1 ADM was used in the Aston Martin Residences in Miami, Florida. The RSIC-1 ADM was used for the ceilings to acoustically isolate the amenity space from each other and from the residences below the amenity areas. PAC's products were specified to meet the exacting standards and high expectations of the Aston Martin Residences.

PROJECT DETAILS

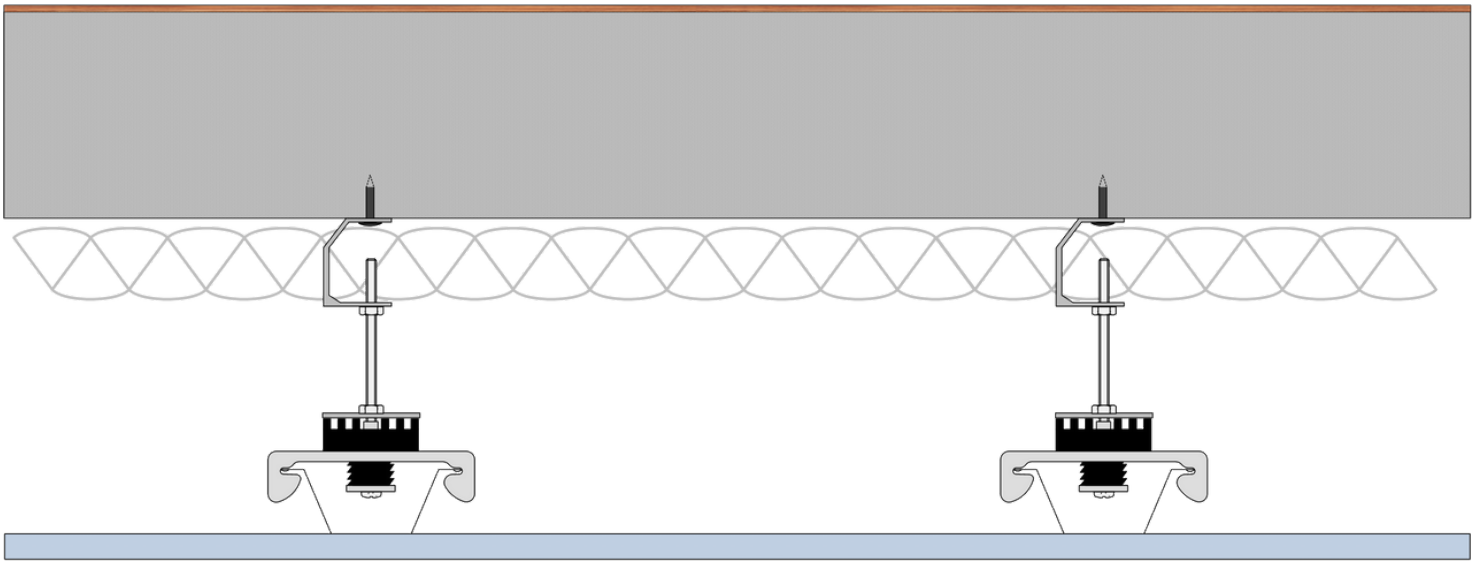
391 condominiums, 66 floors, 1 to 5-bedroom residences, duplexes, penthouses, and triple penthouses.

Level 52: Art gallery, Business center, Conference room, Kids playroom, teen center, game room, and Vending area

Level 53: Fitness and spa lounge, Spa, Fitness center, Spinning room, Boxing room, Treatment suites, Sauna, Meditation room, Beauty salon, and Barbershop

Level 54: Fitness center, Virtual golf, and two movie theaters

Level 55: Infinity Pool, Pool deck, Pool cabanas, Sky bar/lounge, Pool concierge, Chef's kitchen, and Private dining room

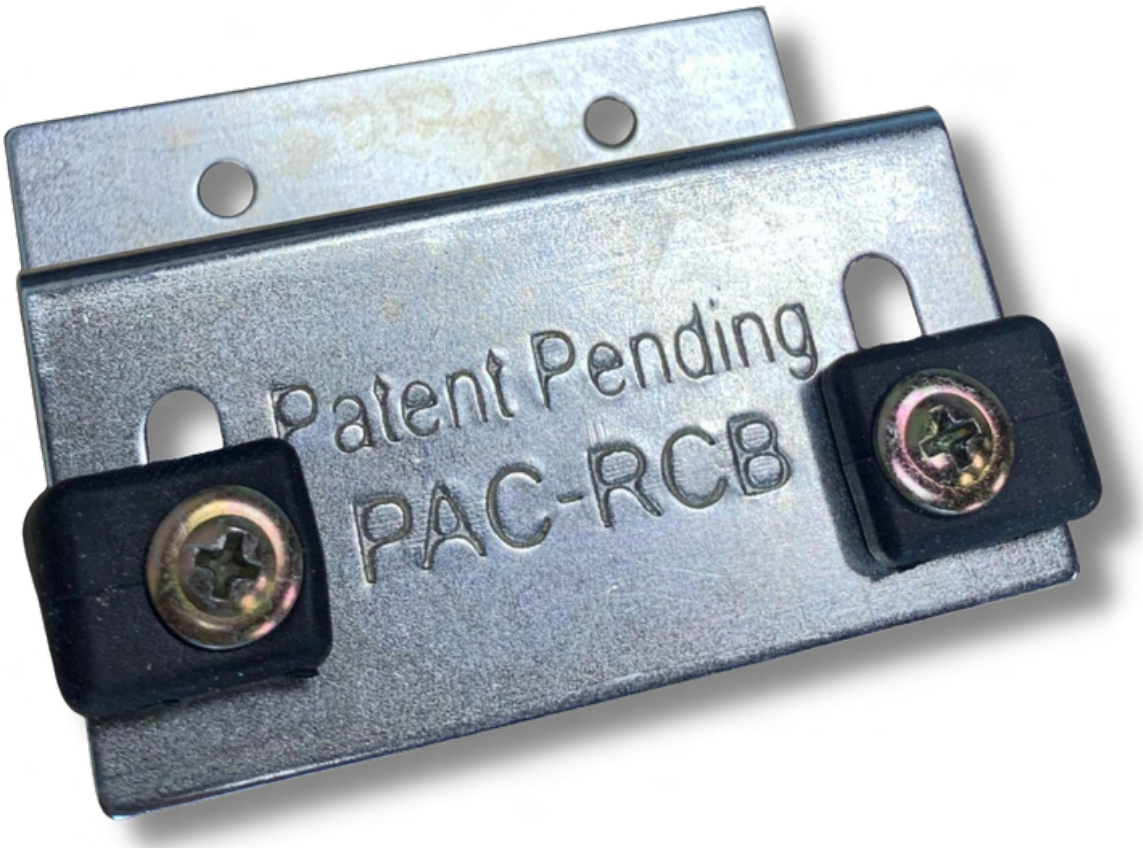


A lower-cost alternative to standard spring hangers

Can be “shot in” to concrete decks for fast and easy installation

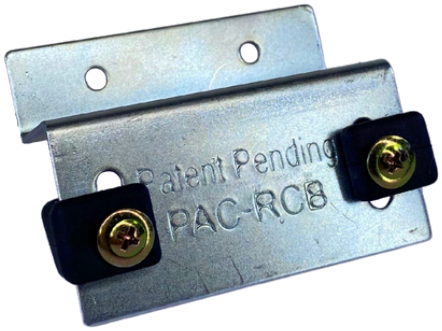
Maximum acoustical performance with minimum ceiling drop

PAC-RCB



WALL MOUNT ISOLATION FOR HEAVY OBJECTS

ELIMINATES SHORT-CIRCUITS CAUSED BY MOUNTING HEAVY OBJECTS ON WALLS WITH RESILIENT CHANNEL



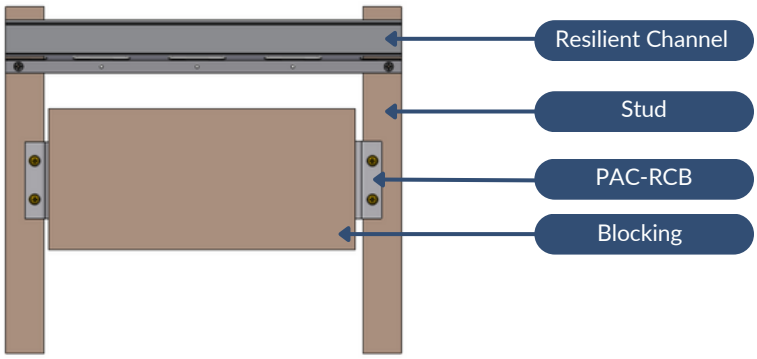
The PAC-RCB is designed for use with all resilient channel wall systems where support for heavy loads like cabinets, bookshelves, headboards, shelving, etc., is required. The PAC-Resilient Channel Backer (RCB) is a simple yet effective solution that works on wood and steel studs of all sizes and spacings.

The PAC-RCB mounts directly to the face of a stud and provides the proper offset so that the horizontal backer is flush with the resilient channel when installed. Backers can either be nominally 2" thick wood (2x4, 2x6, etc.) or steel box beams formed of steel track and studs. The backer is decoupled from the PAC-RCB bracket using PAC's proprietary rubber isolators and specially designed screws.

TYPES OF SYSTEMS

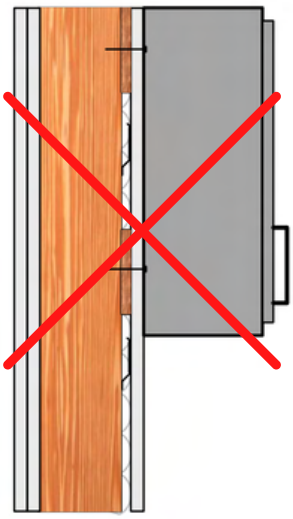
WOOD

STEEL



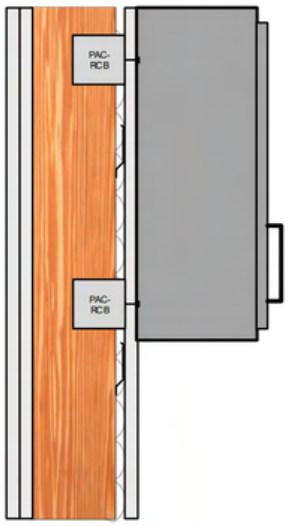
EXAMPLE

DOES NOT MEET CODE MINIMUM



Base Wall + Cabinets & Plywood Backing

EXCEEDS CODE MINIMUM



Base Wall + Cabinets & **PAC-RCB**

SPECIFICATIONS

Acoustical Design Load (ADL)	Up to 25 Lbs Each
Combined ADL	50 Lbs Per Set
Cavity Depth (from face of stud)	1/2"
Use in Walls	Yes
Use in Ceilings	Yes
Use in New Construction	Yes
Assembled in USA	Yes

MONROE APARTMENTS

MILWAUKIE, OREGON

PRODUCT

PAC-RCB

DISTRIBUTOR

GTS Interior Supply

OVERVIEW

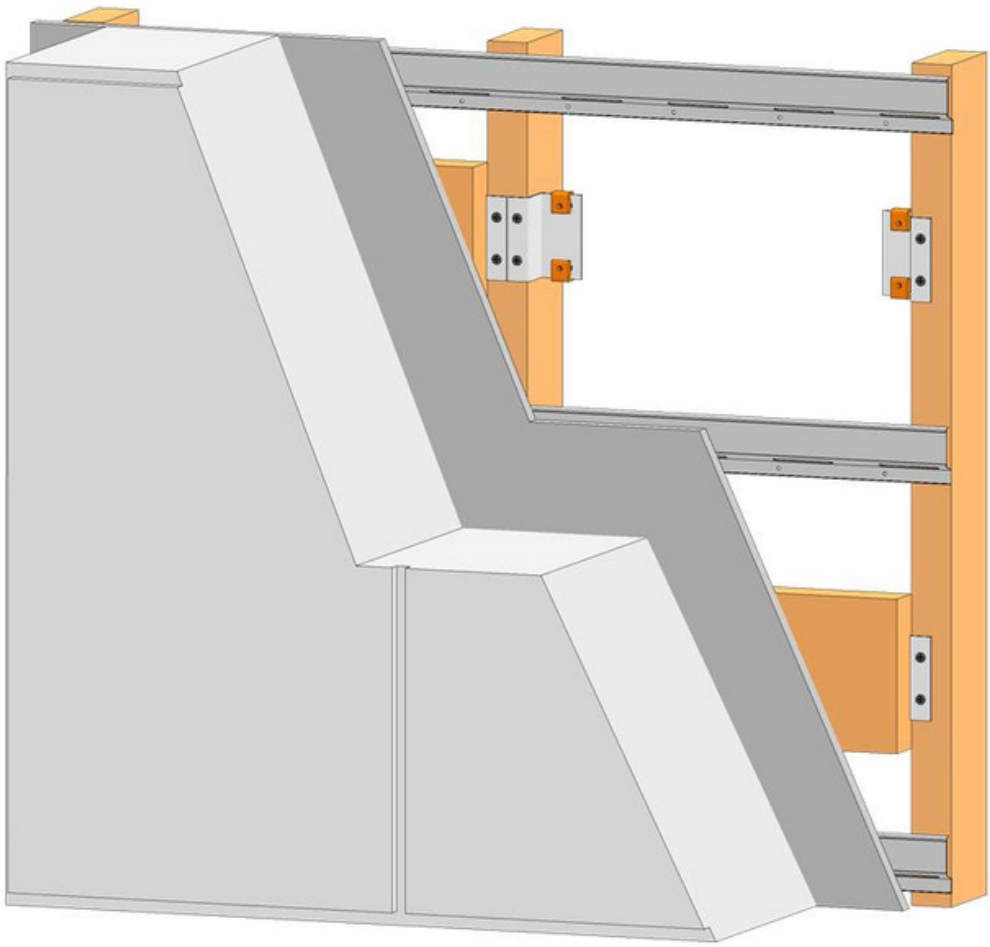
The PAC-RCBs were installed in the new Monroe Apartments in Milwaukie, Oregon. The PAC-RCB was specified by the acoustical consultants for the project to ensure that the acoustical performance of the walls was maintained when mounting cabinets and other heavy items.

PROJECT DETAILS

234 apartments; studio, one-, two-, & three-bedroom units

Amenities: playground, dog park, outdoor workout area, and 301 parking spaces

PAC-RCB



Eliminates short-circuits caused by mounting heavy objects on walls with resilient channel

Tested to maintain the acoustical performance of the base wall

Works with wood and steel studs

Works with any stud spacing

RSIC®-SI-X

CLASSIFIED C UL US

INNOVATIVE, LOW-PROFILE SPRING ISOLATOR

THE NEXT GENERATION OF SOUND ISOLATION

CLASSIFIED c UL us

MADE IN THE USA

PAC's RSIC-SI-X is a new patented low-profile spring isolator that provides superior low-frequency isolation compared to typical rubber sound isolation clips.

The RSIC-SI-X is designed for faster and easier installation compared to industry-standard 1" deflection springs because it attaches directly to the underside of the structure and requires no additional backing. With an acoustical design load ranging from 7 lbs. to 26 lbs. per isolator, the RSIC-SI-X clip can support up to two layers of 5/8" gypsum board with spacing at 16" x 48" on center.

LOAD OPTIONS

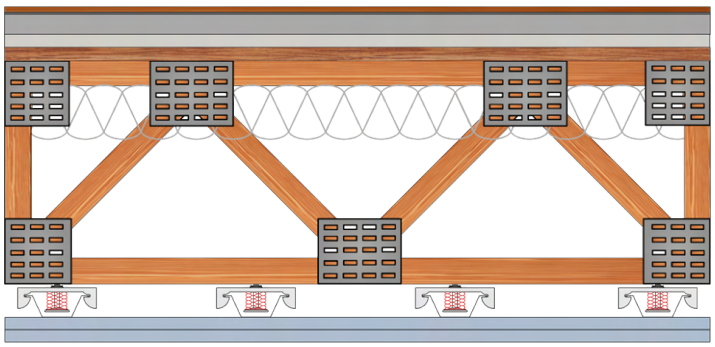
White
7 Lbs

Blue
13 Lbs

Red
26 Lbs

APPLICATIONS

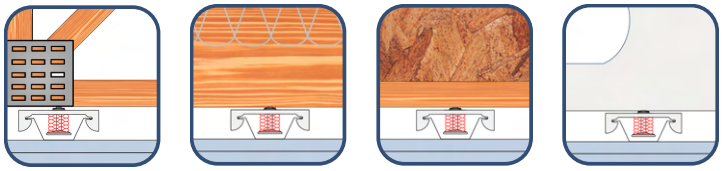
- Commercial Spaces
- Apartment Buildings
- Conference Rooms
- Theaters



SPECIFICATIONS

Acoustical Design Load	7-26 Lbs
Total Deflection	0.38"
Cavity Depth	1 7/8"
Use in Ceilings	Yes
Use in New Construction	Yes
Use in Retrofit	Yes
Spring Isolation	Yes
Rubber Isolation	Yes
Pre-Calibrated	Yes
Pre-Assembled	Yes
Made in USA	Yes

TYPES OF SYSTEMS



Wood Open Web Truss | Wood Solid Joist | Wood "I" Joist | Steel Joist

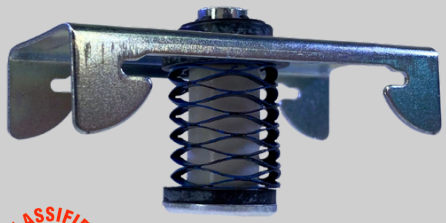
TESTED, ENGINEERED, DESIGNED, CALIBRATED, & MADE IN THE USA

PRIVATE RESIDENCE

SOUTH HAMPTON, NEW YORK

PRODUCT

RSIC®-SI-X



DISTRIBUTOR

Sound Isolation Company

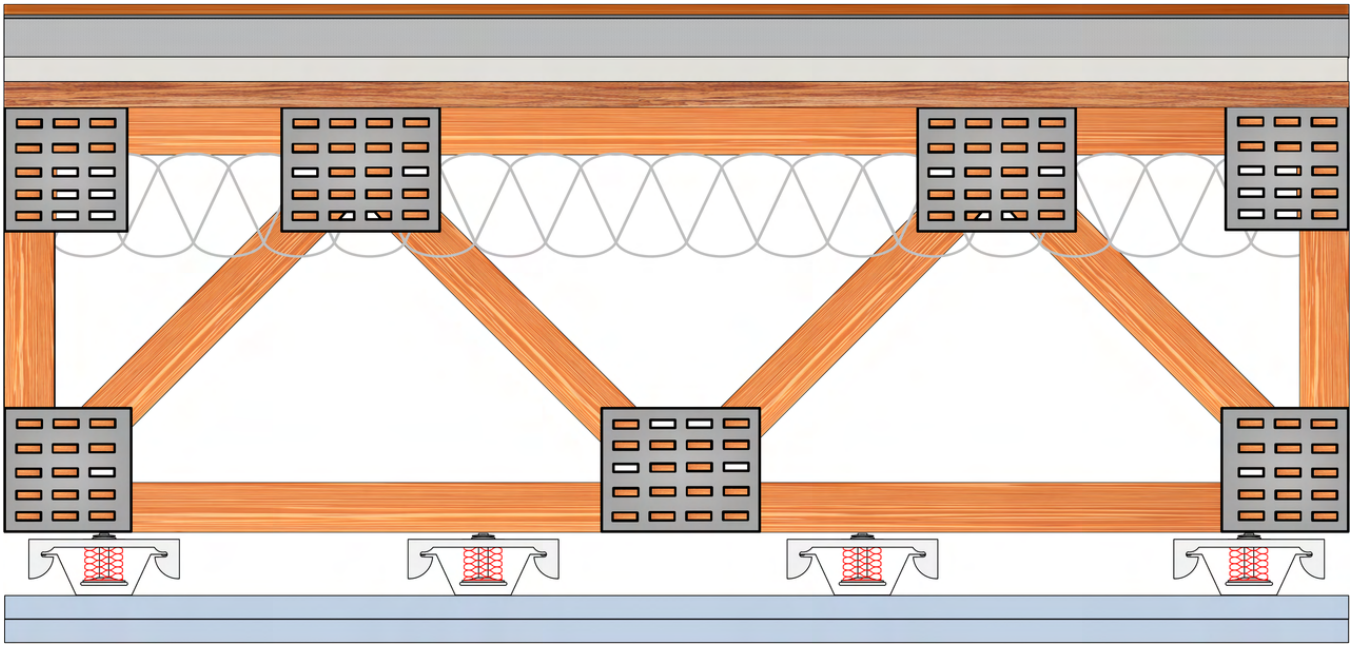
OVERVIEW

The PAC RSIC-SI-X sound isolation clips were installed in a private residence located in South Hampton, New York. The RSIC-SI-X was specified to reduce excessive noise and improve the wellbeing of the homeowners.

PROJECT DETAILS

9,000 square feet, five-bedroom estate, 3.3 acres, unobstructed 360-degree views of the Atlantic Ocean and Jule Pond, two levels of terraces, first and second level entertaining areas, 330 feet of oceanfront views, indoor/outdoor entertaining areas, and its own boardwalk on the dunes

RSIC®-SI-X



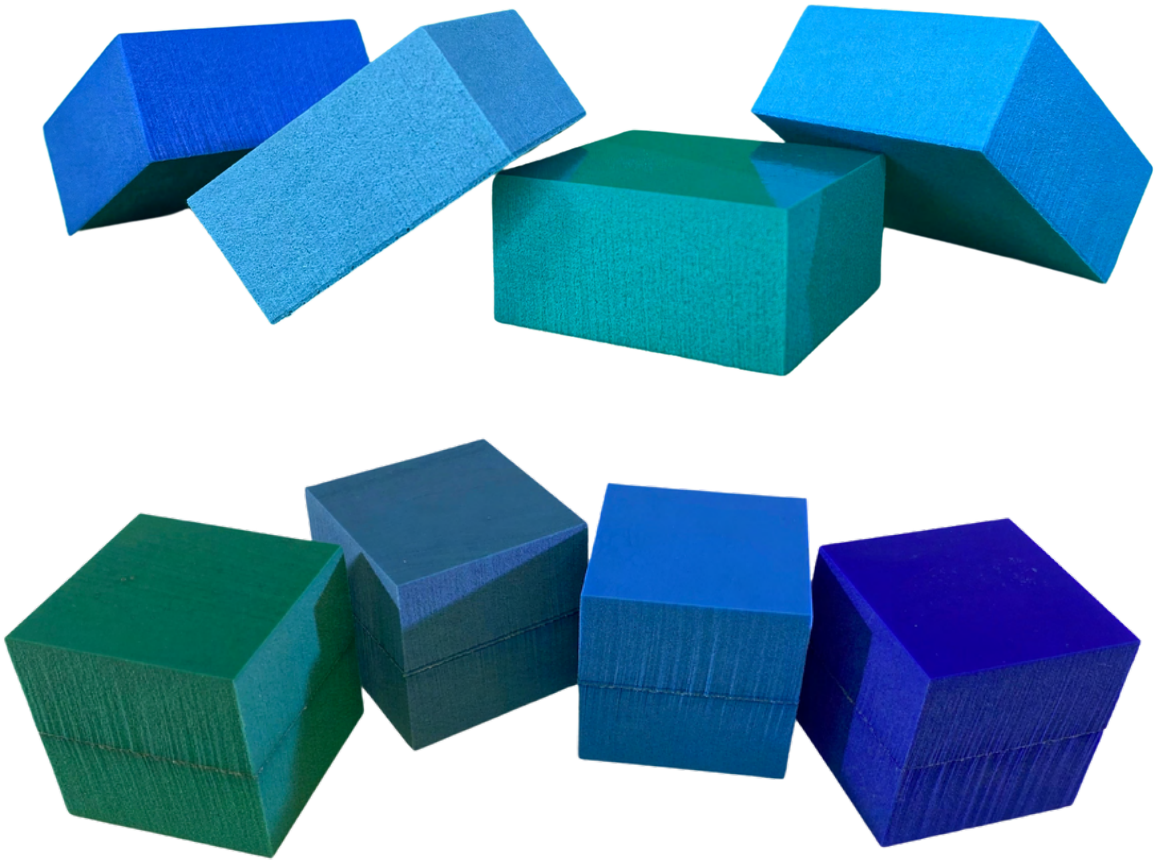
A lower-cost alternative to standard spring hangers

Superior low-frequency performance

Included in many UL fire-resistive designs

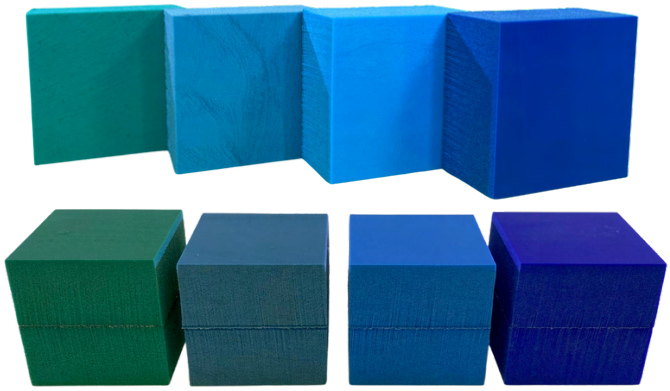
Easy to install

PAC-IFB



LOW-PROFILE & HIGH-PERFORMANCE FLOATING FLOORS

PAC ISOLATING FLOOR BLOCKS



Floating floors are a go-to solution when high levels of airborne and impact sound isolation are needed. The PAC-IFB1 and PAC-IFB2 are discrete isolators for floating floors that are designed to provide high performance in a low-profile form factor. Available in a variety of load ranges with detailed product performance data for all, the PAC-IFB has the data engineers need to create solutions that work. The PAC-IFB is made from the same elastomeric material that's been used for years in Europe for whole-building vibration isolation, so you know it's a reliable long-term solution.

APPLICATIONS

- Cinemas & Clubs
- Bowling Alleys
- Fitness Facilities
- Ballrooms
- Theaters/Auditoriums
- Gymnasiums
- Dance Studios
- Spin/Cycle Rooms

STANDARD GRADES

170 | 260 | 400 | 650

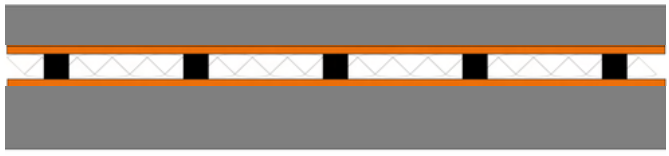
OTHER GRADES AVAILABLE

10 | 16 | 26 | 40 | 65 | 110 | 950 | 1300 | 1900

TYPICAL ASSEMBLIES

2" PAC-IFB with Plywood

2" PAC-IFB with 4" Concrete

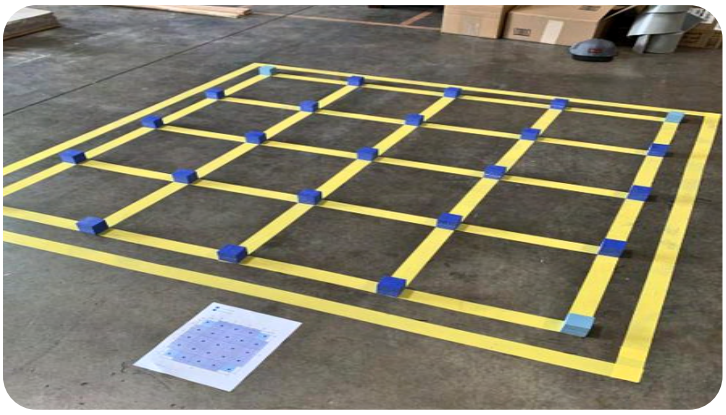


2" PAC-IFB with track, corrugated deck, and concrete

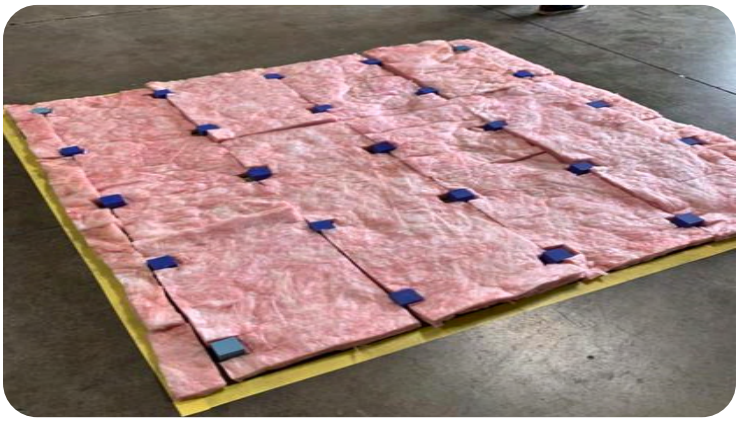
SPECIFICATIONS

Standard Thicknesses	1" & 2"
Available Material Grades	13
Custom Shapes & Sizes	Yes
Manufacturer Supplied Layout	Included
Cavity Minimum	1"
Use in New Construction	Yes
Use in Retrofit	Yes
Use in Floors	Yes

Layout

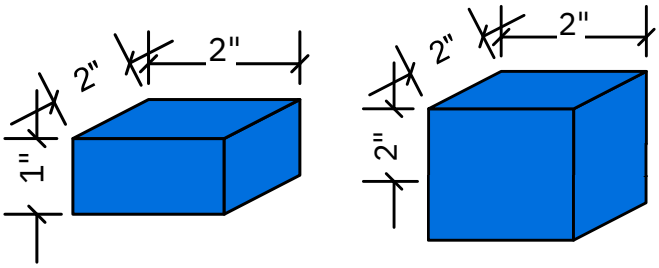


Insulation

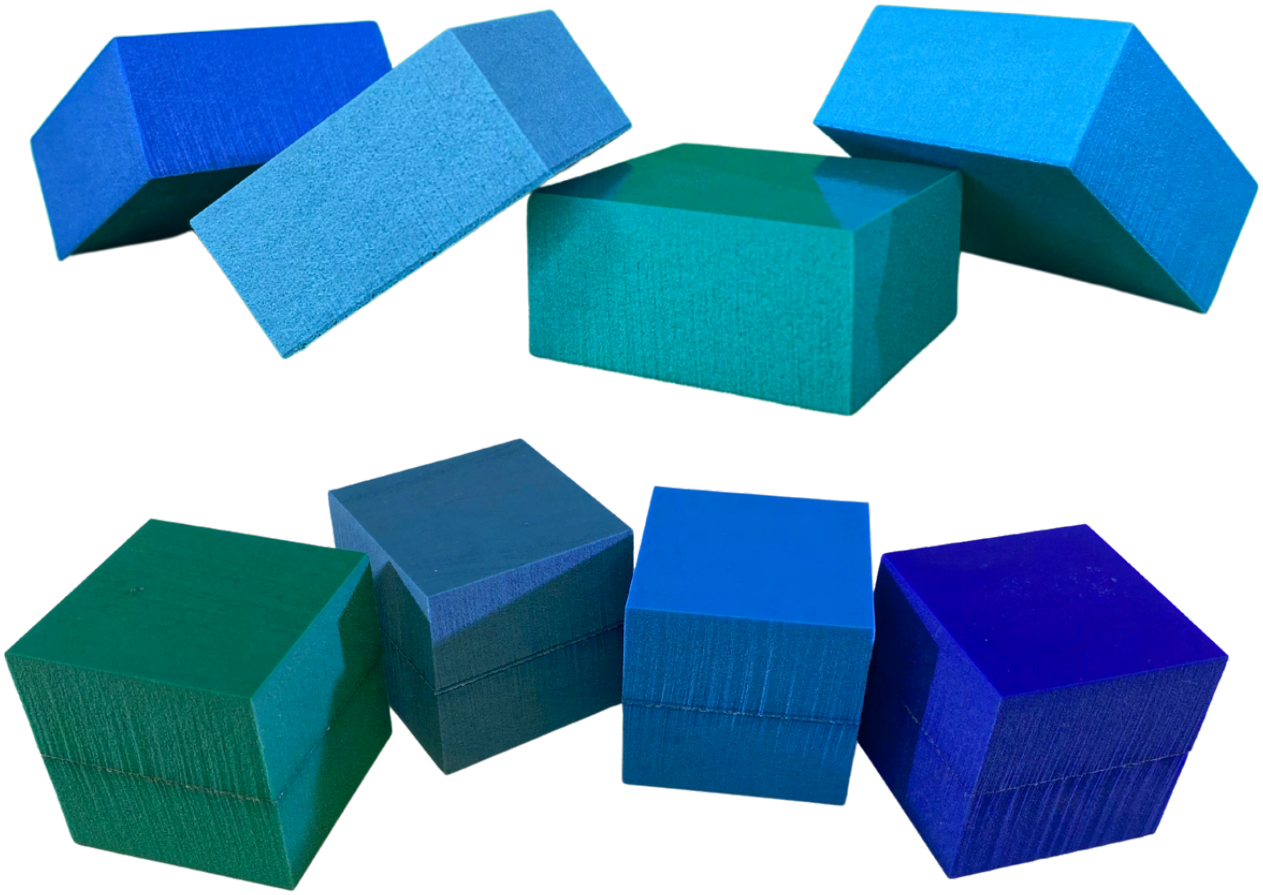


Plywood

- Isolator sizes
  - Typically 2"x2" squares that are 1" or 2" thick
  - Custom sizes and thicknesses available
- Isolator spacing
  - Typically 16" x 16"
  - Spacing can be decreased to accommodate heavier loads
  - Isolators can be held in place with spray adhesive
- Insulation
  - Supplied by others for flexibility and ease of shipping
  - Fiberglass, mineral wool, and other fibrous insulations can be used
  - 2" thick insulation can be used with 1" or 2" PAC-IFBs



PAC-IFB



Detailed load vs. natural frequency data

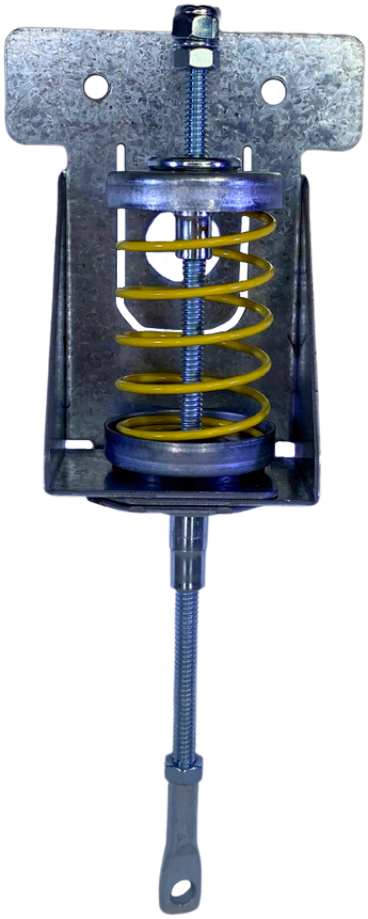
Low-profile systems with high performance

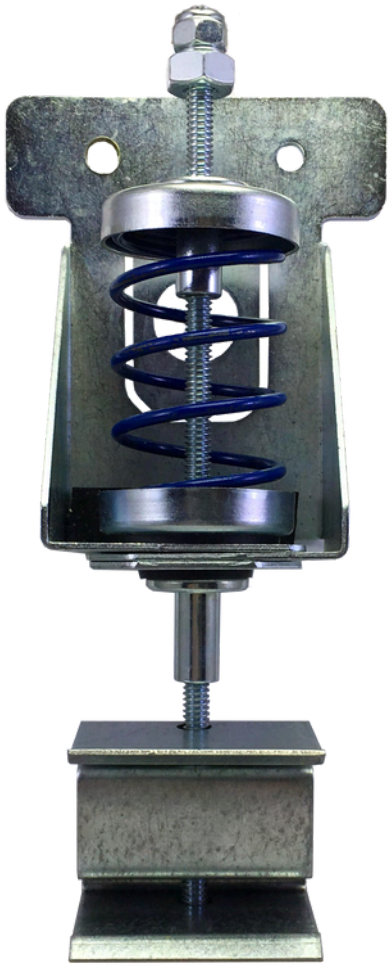
Natural frequency down to 7.5 Hz

Low Creep

SPRING ISOLATORS

RSIC®-SI-1 Ultra **RSIC®-SI-WHI** **RSIC®-SI-CRC EZ**





HIGH-PERFORMANCE SIDE-MOUNT SPRING & RUBBER HANGERS

RSIC®-SI-1 Ultra

TESTED, ENGINEERED, DESIGNED, & CALIBRATED IN THE USA

The RSIC-SI-1 Ultra is a high-quality, top-performing ceiling hanger for wood, steel, or concrete joists that dramatically reduces low-frequency airborne and impact noise. This is done by decoupling and isolating the gypsum board from the structure, increasing the acoustical performance of the system. The RSIC-SI-1 Ultra allows hat channel to be installed directly in the RSIC-1 claw, eliminating the extra material and labor associated with cold-rolled channel and hat channel systems by reducing the transfer of noise and vibrations that would typically be allowed to transfer through the structure.

Yellow
5 Lbs

White
10 Lbs

Blue
20 Lbs

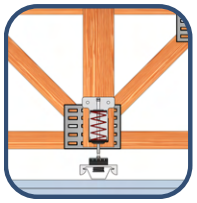
Green
30 Lbs

Red
40 Lbs

APPLICATIONS

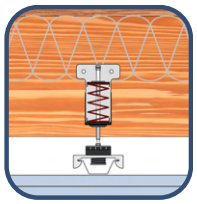
- Condominiums
- Apartment Buildings
- Hospitality Spaces
- Mixed-Use Buildings

TYPES OF SYSTEMS

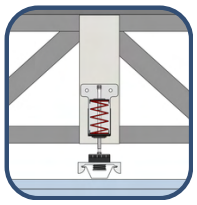


Wood Open Web Truss

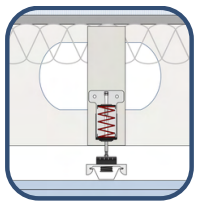
Wood "I" Joist



Wood Solid Joist



Steel Open Web Truss



Steel Joist

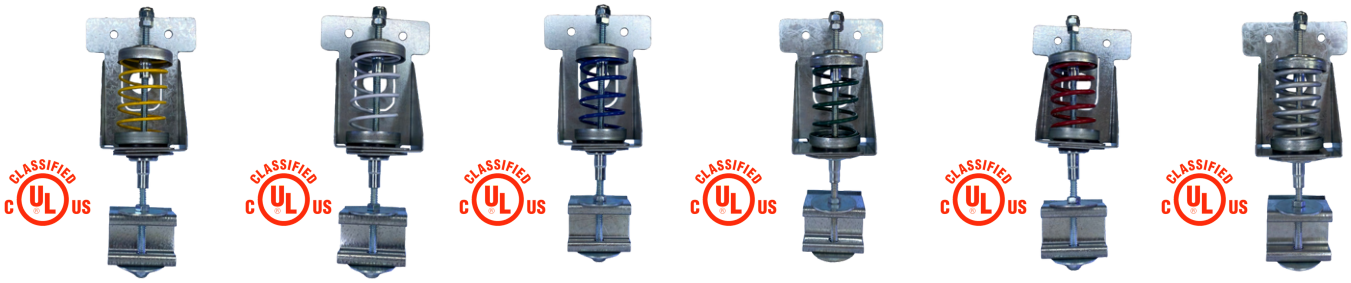
SPECIFICATIONS

Acoustical Design Load	5 Lbs - 40 Lbs
Total Deflection	1"
Pre-Calibrated	Yes
Pre-Assembled	Yes
Adjustable	Yes
Use in Ceilings	Yes
Use in Walls	No
Use in New Construction	Yes
Use in Retrofit	Yes
Spring Isolation	Yes
Rubber Isolation	Yes

RSIC®-SI-CRC EZ

TESTED, ENGINEERED, DESIGNED, & CALIBRATED IN THE USA

The RSIC-SI-CRC EZ is a high-quality, top-performing ceiling hanger for wood, steel, or concrete joists that dramatically reduces low-frequency airborne and impact noise. This is done by decoupling and isolating the gypsum board from the structure, increasing the acoustical performance of the system. The RSIC-SI-CRC EZ allows hat channel to be installed directly in the RSIC-1 claw, eliminating the extra material and labor associated with cold-rolled channel and hat channel systems by reducing the transfer of noise and vibrations that would typically be allowed to transfer through the structure. The RSIC-SI-CRC EZ includes an innovative, labor saving EZ clip created by PAC International to ease installation by allowing the channel to be snapped into place. This innovation significantly reduced installation times compared to competing products.

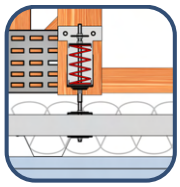


Yellow 5 Lbs | **White** 10 Lbs | **Blue** 20 Lbs | **Green** 30 Lbs | **Red** 40 Lbs | **Silver** 80 Lbs

APPLICATIONS

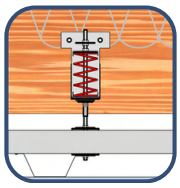
- Condominiums
- Apartment Buildings
- Hospitality Spaces
- Mixed-Use Buildings

TYPES OF SYSTEMS

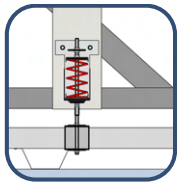


Wood Open Web Truss

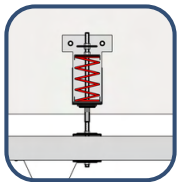
Wood "I" Joist



Wood Solid Joist



Steel Open Web Truss



Steel Joist

SPECIFICATIONS

Acoustical Design Load	5 Lbs - 80 Lbs
Total Deflection	1"
Pre-Calibrated	Yes
Pre-Assembled	Yes
Adjustable	Yes
Use in Ceilings	Yes
Use in Walls	No
Use in New Construction	Yes
Use in Retrofit	Yes
Spring Isolation	Yes
Rubber Isolation	Yes

TESTED, ENGINEERED, DESIGNED, & CALIBRATED IN THE USA

The RSIC-SI-WHI is a high-quality, top-performing ceiling hanger for wood, steel, or concrete joists that dramatically reduces low-frequency airborne and impact noise. This is done by decoupling and isolating the gypsum board from the structure, increasing the acoustical performance of the system. The RSIC-SI-WHI allows hat channel to be installed directly in the RSIC-1 claw, eliminating the extra material and labor associated with cold-rolled channel and hat channel systems by reducing the transfer of noise and vibrations that would typically be allowed to transfer through the structure.

Yellow
5 Lbs

White
10 Lbs

Blue
20 Lbs

Green
30 Lbs

Red
40 Lbs

Silver
80 Lbs

APPLICATIONS

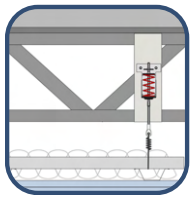
- Condominiums
- Apartment Buildings
- Hospitality Spaces
- Mixed-Use Buildings

TYPES OF SYSTEMS

Wood Open Web Truss

Wood "I" Joist

Wood Solid Joist



Steel Open Web Truss

Steel Joist

SPECIFICATIONS

Acoustical Design Load	5 Lbs - 80 Lbs
Total Deflection	1"
Pre-Calibrated	Yes
Pre-Assembled	Yes
Adjustable	Yes
Use in Ceilings	Yes
Use in Walls	No
Use in New Construction	Yes
Use in Retrofit	Yes
Spring Isolation	Yes
Rubber Isolation	Yes

RSIC®-SI-1 Ultra/RSIC®-SI-CRC EZ

PRODUCT

RSIC®-SI-1 Ultra

LUXURY CONDOMINIUMS

OVERVIEW

In this project design, resilient channels were used for the ceiling isolation. When the condominium owners moved in they were very unsatisfied with the provided level of noise control. An acoustical consultant was brought in to provide solutions and they ultimately recommended the PAC RSIC-SI-1 Ultra which provided such great isolation that the acoustic engineers could not hear flooring being removed in a unit above during a site visit.

PROJECT DETAILS

1,086-3,014 sq ft, 3-bedroom residences, pool, spa/hot tub, exercise room, midrise building, parking garage, private patios, balconies, and concierge

DISTRIBUTOR

Valley Design Group

THE RESERVE AT MENDOTA VILLAGE

MENDOTA HEIGHTS, MINNESOTA

PROJECT DETAILS

5 stories, 243,684 sq ft, 138 residential units, outdoor pool, sundeck, rooftop patio, pickleball courts, recreational lounge with HD multisport simulator, fitness center with functional fitness system, yoga studio, wine bar, rooftop solar garden, and climate-controlled garage

OVERVIEW

The PAC RSIC-SI-CRC EZ spring isolators were installed in the ceiling of the top floor units to isolate them from the fitness amenity spaces above. The amenity spaces included a gym, a golf lounge and simulator, and pickleball courts. PAC worked closely with the acoustical consultant to project-specific construction details.

PRODUCT

RSIC®-SI-CRC EZ

DISTRIBUTOR

MC Drywall

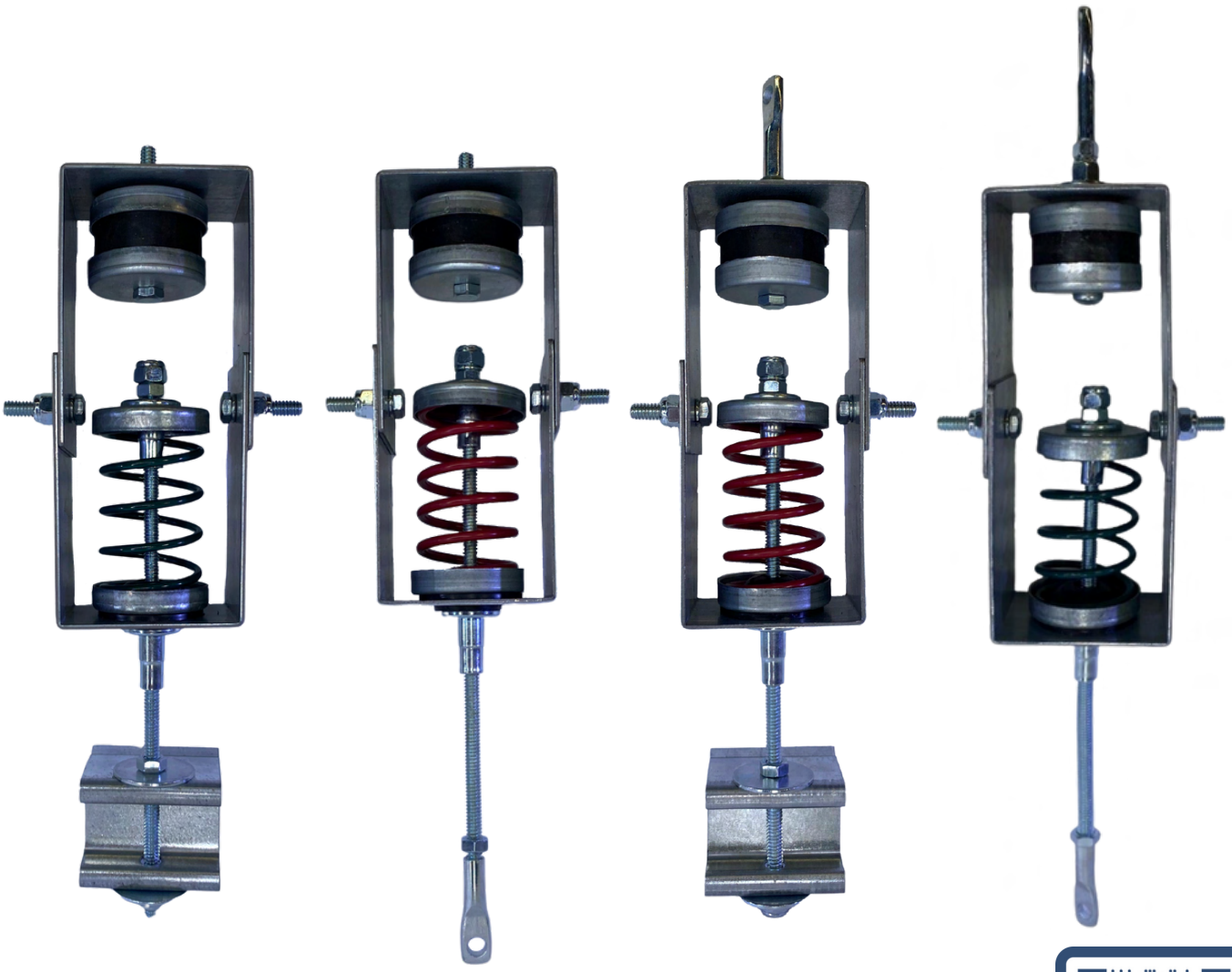
RSIC®-SI-1 Ultra/RSIC®-SI-CRC EZ

- Pre-Assembled & Pre-Calibrated
- Rubber and spring isolation
- Included in over 90 UL fire-resistive designs
- Labor saving attachment for drywall furring channel

- Pre-Assembled & Pre-Calibrated
- Rubber and spring isolation
- Included in over 90 UL fire-resistive designs
- Labor-saving attachment for cold-rolled channel

- Pre-Assembled & Pre-Calibrated
- Rubber and spring isolation
- Labor saving attachment for drywall gridl

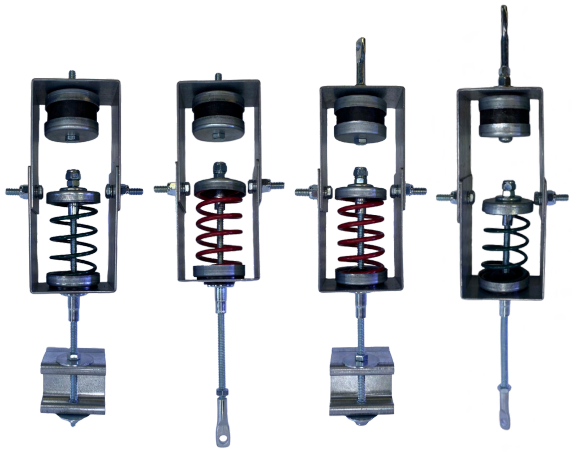
RSIC®-SI-FF



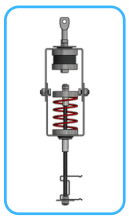
HIGH-PERFORMANCE, TOP-MOUNT SPRING & RUBBER ISOLATOR

PRE-CALIBRATED, PRE-LOADED, & PRE-ASSEMBLED

The RSIC-SI-FF is a full-frame spring and rubber isolator that can be directly attached to concrete (BR_) or used with hanger wire (WR_) to support cold rolled channel (_RC) or drywall grid ceilings (_RW). This product features an innovative, mid-bracket hinged frame to compensate for mis-aligned installations. This is similar to the 15 degrees of vertical alignment compensation provided by competitors, but PAC's innovative hinged frame provides a much larger range of alignment compensation.

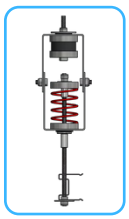


MOUNTING OPTIONS



RSIC-SI-FF-WRC EZ

Wire top mount, rubber isolator, channel bottom mount

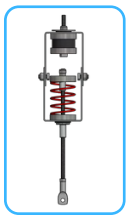


RSIC-SI-FF-BRC EZ

Bolt top mount, rubber isolator, channel bottom mount

RSIC-SI-FF-WRW

Wire top mount, rubber isolator, wire bottom mount



RSIC-SI-FF-BRW

Bolt top mount, rubber isolator, wire bottom mount

SPECIFICATIONS

Acoustical Design Load	5 Lbs - 80 Lbs
Total Deflection	1"
Adjustable	Yes
Cavity Minimum	12"
Cavity Maximum	Unlimited
Use in Ceilings	Yes
Use in Walls	No
Use in New Construction	Yes
Use in Retrofit	Yes
Pre-Calibrated	Yes
Pre-Assembled	Yes
Pre-Loaded	Yes
Spring Isolation	Yes
Rubber Isolation	Yes

APPLICATIONS


MECHANICAL ROOMS


RETAIL SPACES


MULTIFAMILY BUILDINGS


THEATERS


PERFORMING ARTS VENUES

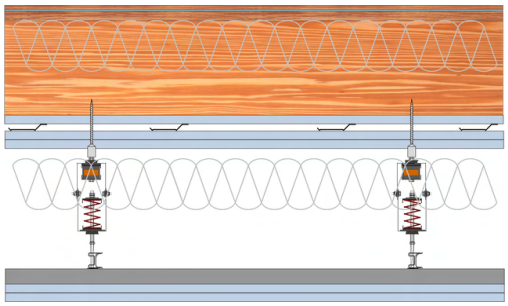

CONFERENCE ROOMS


RECORDING STUDIOS

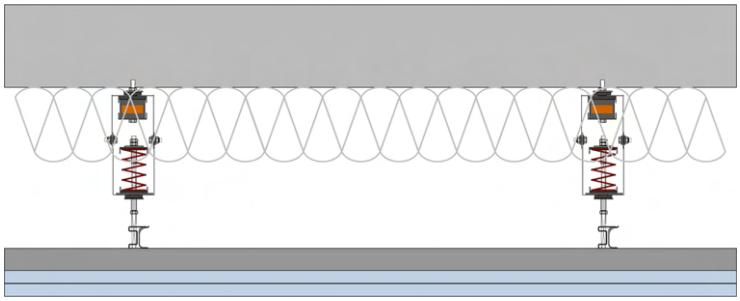

FITNESS FACILITIES

TYPES OF SYSTEMS

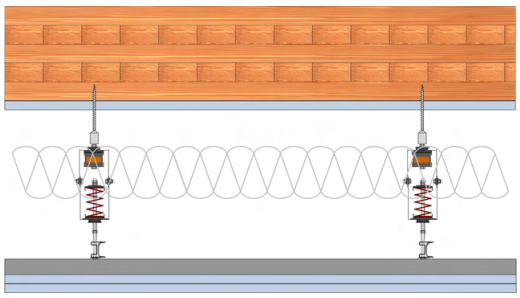
Springs Under
2-Hour Wood Assembly



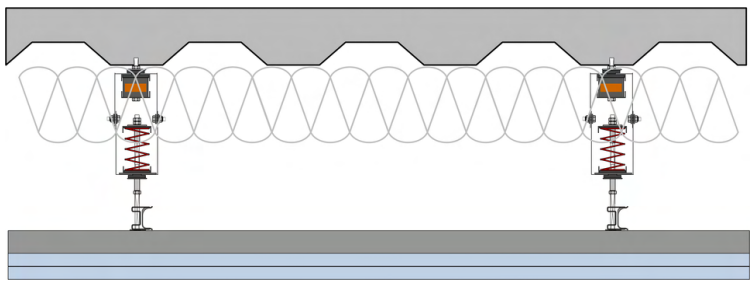
Springs Under
Concrete Assembly



Springs Under
Cross-Laminated Timber Assembly

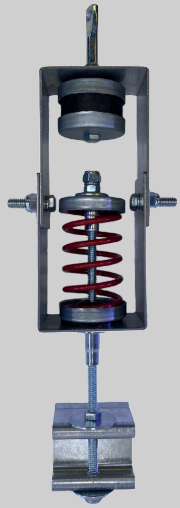


Springs Under
Corrugated Deck Assembly



PRODUCT

RSIC®-SI-FF-WRC EZ



315 NORTHERN AVE
BOSTON, MASSACHUSETTS

OVERVIEW

The PAC RSIC-SI-FF-WRC EZ spring isolators were installed in the luxury apartments and hotel rooms located in the Parcel K Seaport development. The RSIC-SI-FF-WRC EZ was used to acoustically isolate the project's ground floor retail and restaurant space from the living units and hotel rooms above to ensure quality noise control for their residents.

PROJECT DETAILS

Dual-branded luxury apartments & Hyatt Hotel

Luxury Apartments: 300,000 sq ft, 304 residential units, rooftop pool, club room, and terrace

Hyatt Hotel: 294 rooms, 200,000 sq ft, rooftop pool and fitness center

DISTRIBUTOR

Robert N. Karpp Co., Inc.

ALEXAN JULIAN
DENVER, COLORADO

PROJECT DETAILS

Boutique apartment community, 311,268 sq ft, coffee bar, workspaces and meeting areas, resort-style pool and spa, courtyard, community fitness center, and yoga studio

OVERVIEW

The RSIC-SI-FF-BRC EZ was used to acoustically isolate the project's ground floor retail space from the living units above to ensure quality noise control for the residents.

PRODUCT

RSIC®-SI-FF-BRC EZ

DISTRIBUTOR

JDI Contractor Supply

RSIC®-SI-FF

PRODUCT

RSIC®-SI-FF-WRW

ONE RIVER NORTH

DENVER, COLORADO

OVERVIEW

The PAC RSIC-SI-FF-WRW spring isolators were installed in the luxury apartments located in Denver, Colorado. The RSIC-SI-FF-WRW was used in the penthouse suite to decouple and isolate the gypsum board ceilings from the rooftop deck, pool and outdoor space above to ensure quality noise control for the residents.

PROJECT DETAILS

Multi-family, 16 Stories, 343,000 sq ft of luxury residences, 9,000 sq ft of retail, studio to 3-bedroom residences, rooftop pool, deck, outdoor environments, fitness center, and indoor/outdoor yoga studio

DISTRIBUTOR

Western Interior Supply

LIFETIME COUNTRY CLUB AND GYM

BROOKLYN, NEW YORK

PROJECT DETAILS

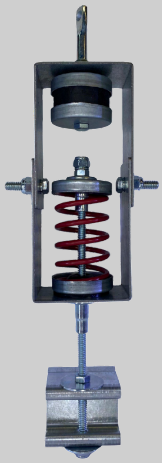
55,000 sq ft, studio classes, a 25-yard lap pool, basketball gym, exclusive memberships, dining, rehab and chiropractor, childcare, child swim and play, and a spa

OVERVIEW

The PAC RSIC-SI-FF-BRW spring isolators were installed in the country club and gym located in Brooklyn, New York. The RSIC-SI-FF-BRW was used in the yoga studio and cycle room to decouple and isolate the gypsum board or sheet goods from the residential units above to ensure quality noise control for the residents.

PRODUCT

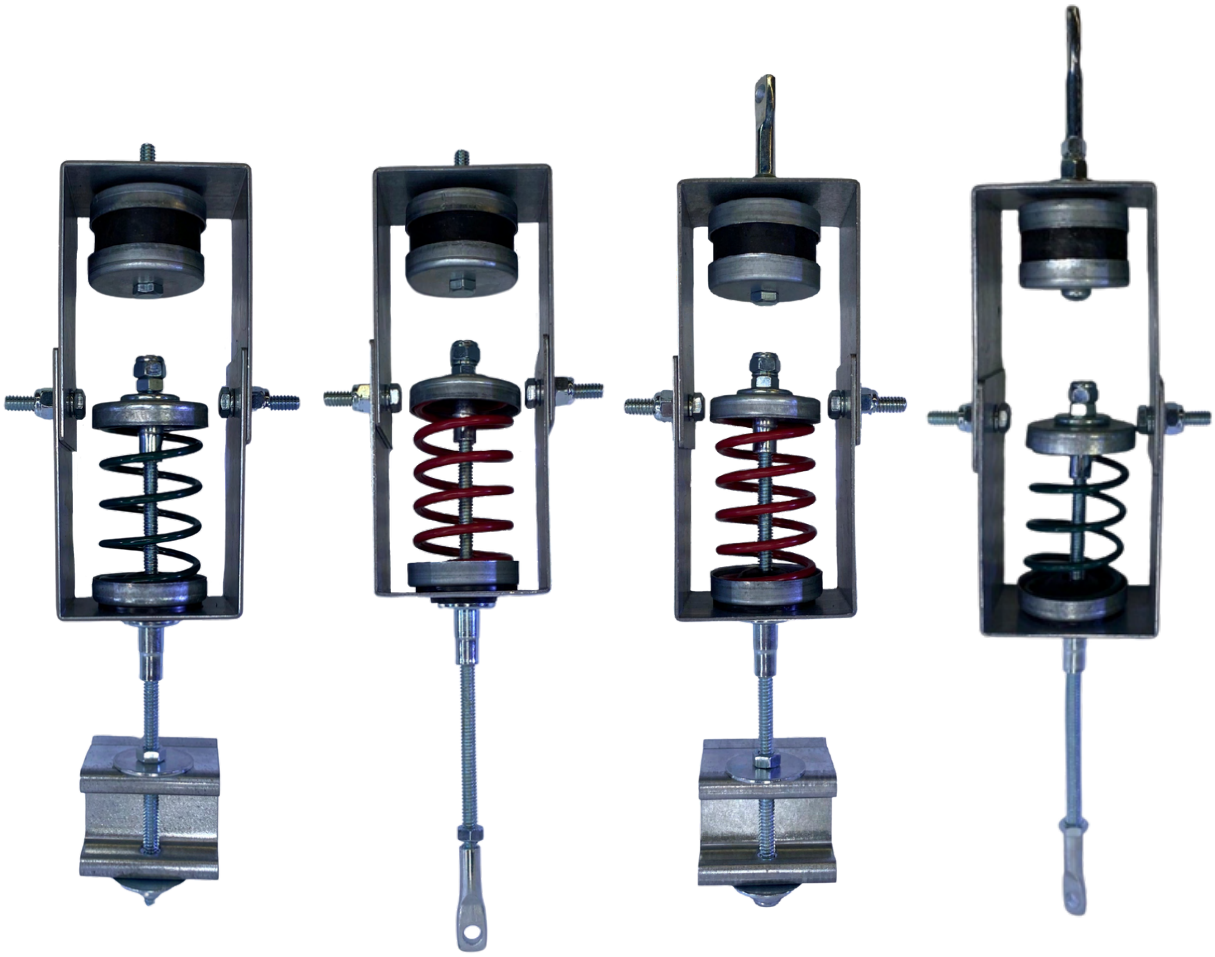
RSIC®-SI-FF-BRW



DISTRIBUTOR

Hi-Lume Corporation

RSIC®-SI-FF



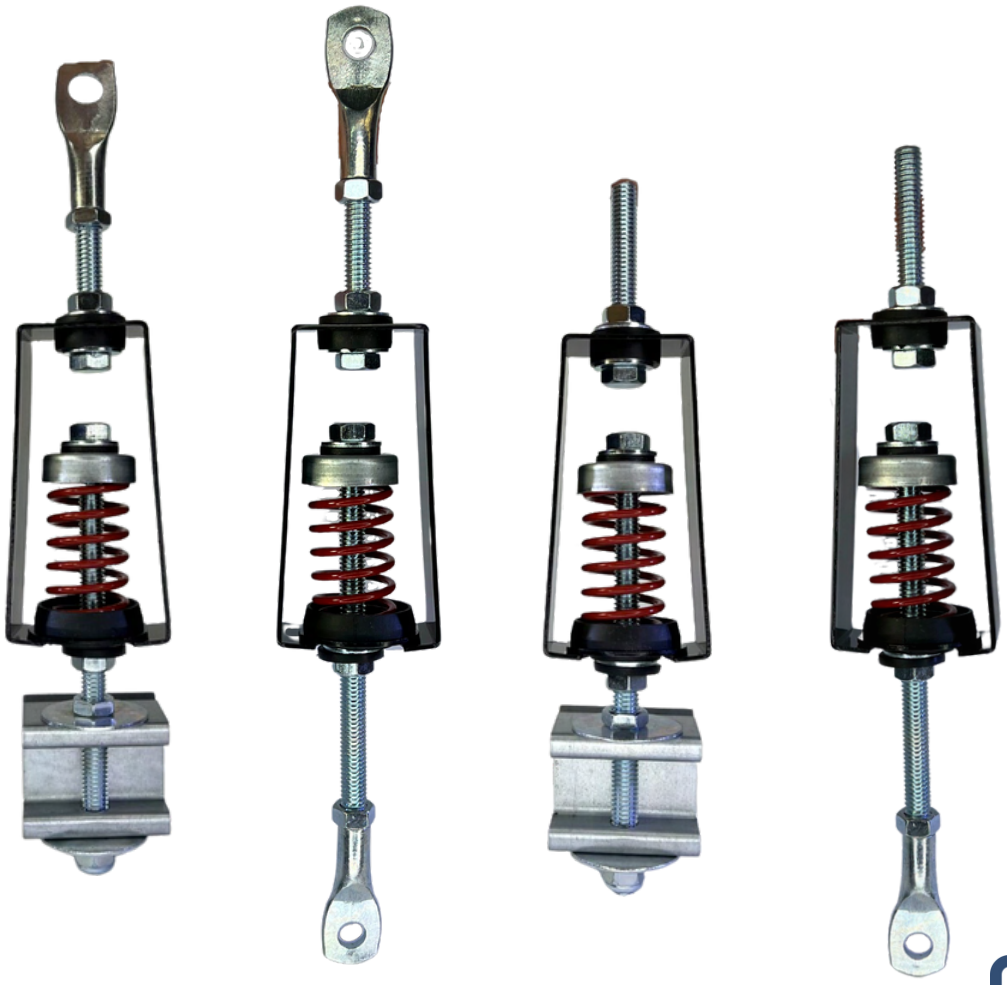
Pre-Assembled, Pre-Calibrated, and Pre-Loaded

Unique attachments for multiple mounting options

High-performance spring and rubber isolation

Hinged frame to compensate for mis-aligned installations

RSIC®-SI-FF 3/8"

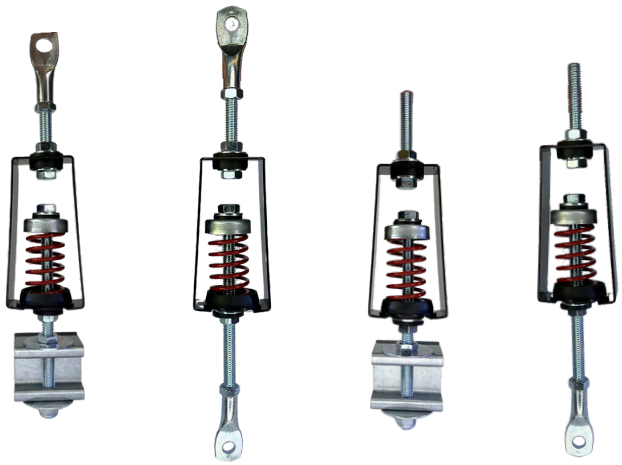


HIGH-PERFORMANCE, TOP-MOUNT SPRING & RUBBER ISOLATOR 3/8" THREADED ROD

RSIC®-SI-FF 3/8"

TESTED, ENGINEERED, DESIGNED, & CALIBRATED IN THE USA

The RSIC-SI-FF 3/8" is a full-frame spring and rubber isolator that can be directly attached to concrete (B_) or used with hanger wire (W_) to support cold rolled channel (_C) or drywall grid ceilings (_W). This product provides 15 degrees of vertical alignment compensation as commonly specified



MOUNTING OPTIONS

RSIC-SI-FF 3/8" WC

Wire top mount, rubber isolator, channel bottom mount

RSIC-SI-FF 3/8" BC

Bolt top mount, rubber isolator, channel bottom mount

RSIC-SI-FF 3/8" WW

Wire top mount, rubber isolator, wire bottom mount

RSIC-SI-FF 3/8" BW

Bolt top mount, rubber isolator, wire bottom mount

SPECIFICATIONS

Acoustical Design Load	10 lbs - 80 Lbs
Total Deflection	1"
Adjustable	Yes
Cavity Minimum	10"
Cavity Maximum	Unlimited
Use in Ceilings	Yes
Use in Walls	No
Use in New Construction	Yes
Use in Retrofit	Yes
Pre-Calibrated	Yes
Pre-Assembled	Yes
Pre-Loaded	Yes
Spring Isolation	Yes
Rubber Isolation	Yes

APPLICATIONS


MECHANICAL ROOMS


RETAIL SPACES


MULTIFAMILY BUILDINGS


THEATERS


PERFORMING ARTS VENUES

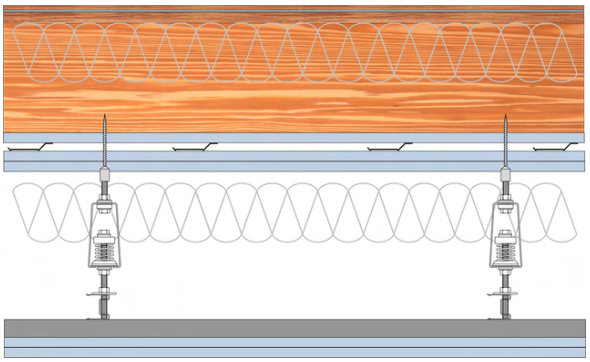

CONFERENCE ROOMS


RECORDING STUDIOS

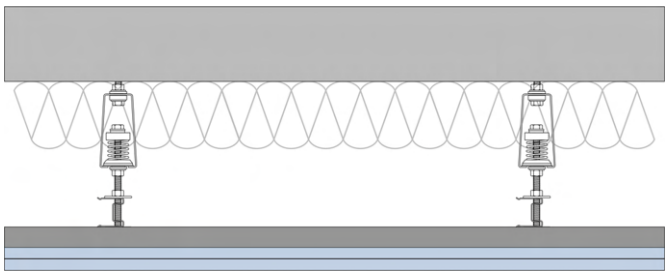

FITNESS FACILITIES

TYPES OF SYSTEMS

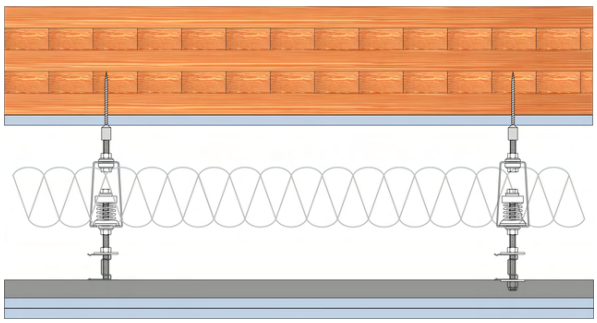
Springs Under 2-Hour Wood Assembly



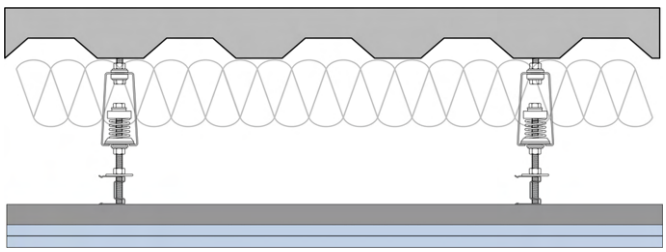
Springs Under Concrete Assembly



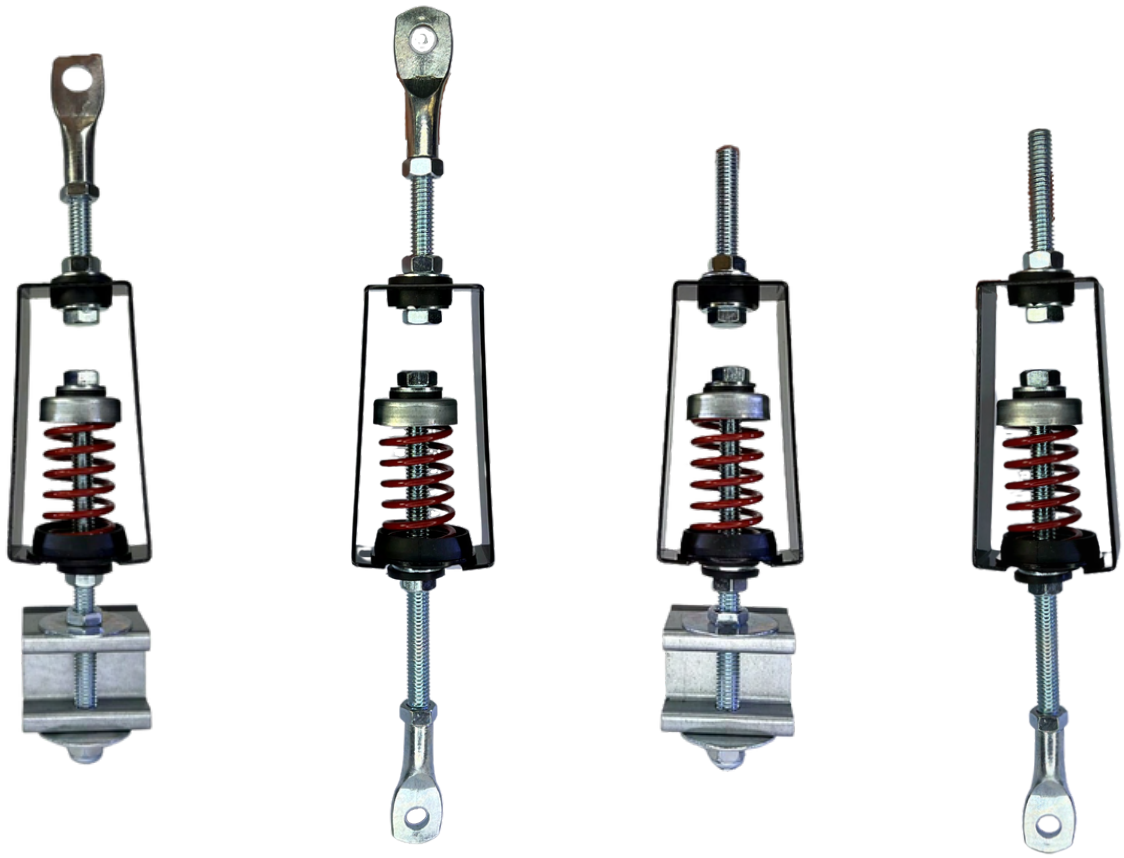
Springs Under Cross-Laminated Timber Assembly



Springs Under Corrugated Deck Assembly



RSIC®-SI-FF 3/8"



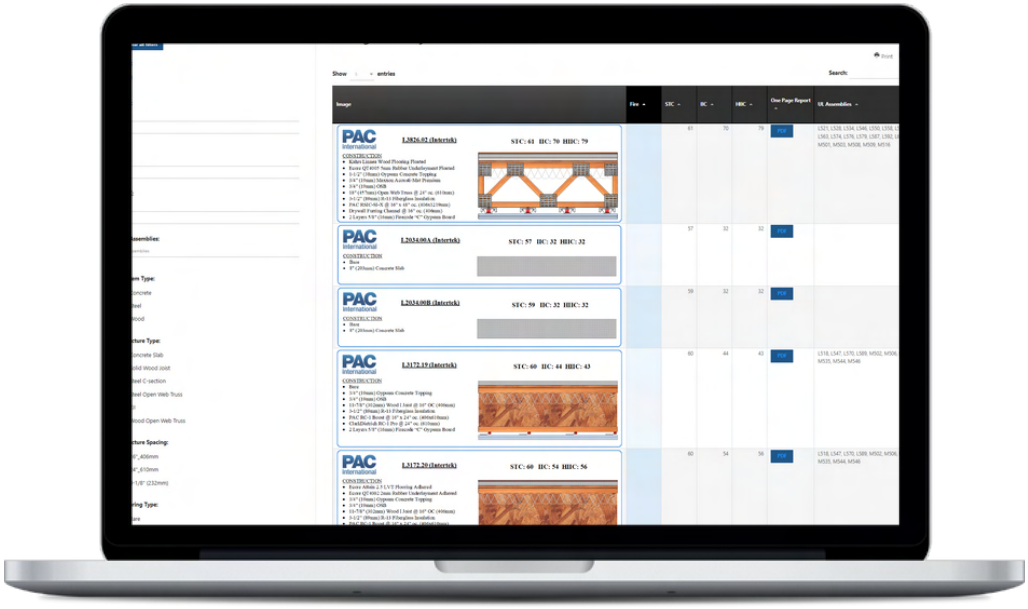
Pre-Assembled, Pre-Calibrated, and Pre-Loaded

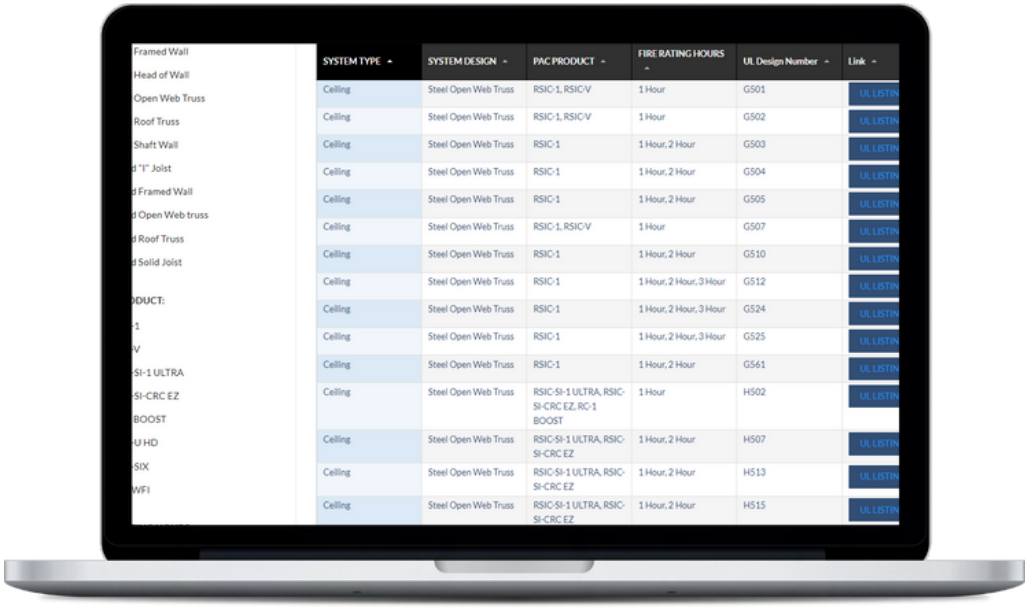
Unique attachments for multiple mounting options

High-performance spring and rubber isolation

Provides 15 degrees of vertical alignment

Assembly Design Selectors





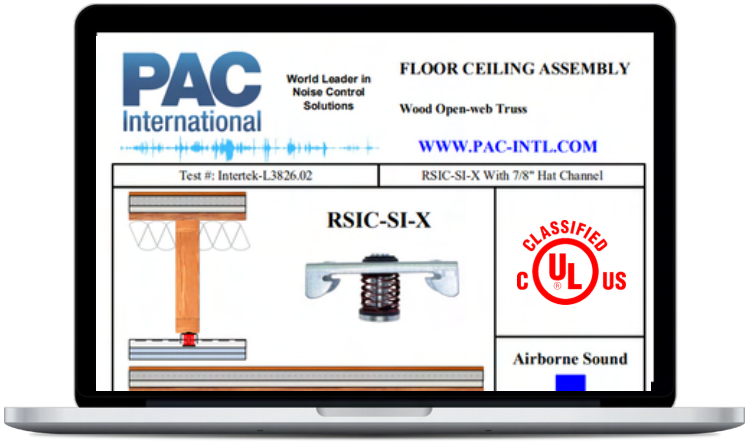
ONE-STOP SOURCE FOR FIRE AND ACOUSTIC RATINGS

Acoustical/Fire Selectors

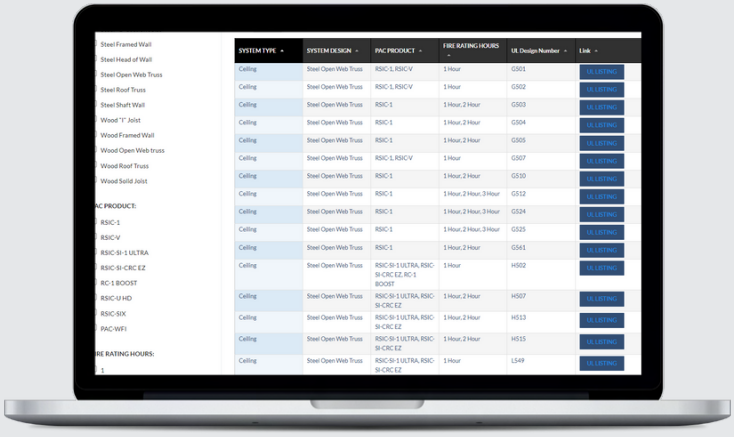
Acoustical Design Selector

Find the acoustical test data you need!

Our online wall and ceiling test database allows you to filter PAC's extensive catalog of testing to quickly find the designs and acoustical ratings that you need.



- Export data to Excel & PDF
- One-page PDF summaries for project submittals
- Active filters for quick sorting



Fire-Rated Assembly Selector

Find the fire-rated assemblies you need!

Our online UL assembly databases allow you to filter PAC's extensive catalog of fire-rated designs to quickly find the assemblies that you need.

- PDF of full UL designs
- Accessible to anyone
- Active filters for quick sorting

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PAC International

NOISE CONTROL SOLUTIONS

REAL SOLUTIONS IN CONSTRUCTION

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