Resilmount Sound Isolation Solutions are a division of Studco Building Systems, a leading manufacturer of innovative building materials. Resilmount offers a range of patented sound isolation products for the wall and ceiling industry.

**UNIQUE PATENTED THERMOPLASTIC RUBBER WITH SOUND CELL DESIGN**

Solve the problem of noise transfer in high density accommodations with Resilmount. Our Resilient mount clips provide acoustic control by locking into place on standard furring channels for easy construction and effective solutions to unwanted noise. Resilmount clips isolate wall and ceiling systems from the building structure resulting in premium acoustic control.

- 55lbs load
- 33lbs Acoustic Design Load

Patents pending:
US 11/872574
AU 2007226819

Sound cells to absorb and break up airborne sound.
Thermoplastic rubber with no metal washer eliminating the risk of the metal clip coming into contact with a metal washer.
Resilmount’s unique thermoplastic rubber outperforms standard rubber because of its absorbing characteristics.
Patented secure fastening to metal clips.
1/4" diameter hole for a variety of fasteners.

Strong column design providing a small percentage of contact area with building structure.
TESTING & QUALITY ASSURANCE

FIRE TESTING

With over 100 UL Ratings and other third party testing, the Resilmount A237 and A237R clip are well suited for use in high density accommodations and many more applications in sound control. These ratings enable Resilmount to be used in many fire rated acoustic applications for sound proofing walls and ceilings. Please contact us with your project and we will assist you in choosing the right assembly.

SOUND TESTING


ISO 9001 Quality Management System

The quest for optimum quality never ends at Studco. The consistency of our quality is one of the cornerstones of Studco’s reputation as a reliable supplier of metal building systems. In order to achieve dependable quality in our products and service, Studco Building Systems is certified to ISO 9001 Quality Management System. This internationally recognized benchmark of quality is rigidly applied to all facets of our operations, ensuring premium quality products and premium customer service at all times. Customers can be certain of the quality of Studco’s products because of the stringent controls we impose on our production processes.

ISO 14001 EMS Certification

The management team at Studco have long held the view that caring for the environment is a corporate responsibility. In fact, responsibility of and caring for the environment in which we live is a Studco hallmark which is promoted at every level of our business. Our commitment to sensible environmental responsibility and corporate accountability is evident in our ongoing certification to the internationally recognized benchmark standard ISO 14001:2004 environmental management system.
FLOOR – CEILING ASSEMBLIES

A237R Wood I-Joist with 1 layer of Type C Gypsum Wallboard

FIG 1

48”
2 layers of 3/4” O.S.B

14”

6” Batt insulation

7/8” 25 gauge furring channel

1 layer of 5/8” Type C Gypsum Wallboard

FIG 2

A237R

ACCREDITATIONS

STC 59
IIC 50

UL ASSEMBLY L570
RAL-IN14-018 (IC)
RAL-TL14-270 (STC)
FLOOR – CEILING ASSEMBLIES

A237R Wood I-Joist with 2 layers of Type C Gypsum Wallboard

**FIG 3**
- 48”
- 2 layers of 3/4” O.S.B
- 14”
- 6” Batt insulation
- 7/8” 25 gauge furring channel
- 1 layer of 5/8” Type C Wallboard

**FIG 4**

ACCREDITATIONS

UL ASSEMBLY L570

STC 60
IIC 56

RAL-TL14-271 (STC)
RAL-IN14-019 (IIC)

1hr Fire Rated
FLOOR – CEILING ASSEMBLIES

A237R Wood I-Joist with 2 layers of Type C Gypsum Wallboard

FIG 5

Wood I-Joist with 2 layers of Type C Gypsum Wallboard

9 1/2” 48”

3 1/2” Batt insulation 7/8” 25 gauge furring channel

2 layers of 1/2” Type C Gypsum Wallboard

1 layer of 3/4” O.S.B

FIG 6

ACCREDITATIONS

ACOUSTIC CONSULTING

www.pka.com.au

1hr Fire Rated

STC 56

IIC 50

UL ASSEMBLY L570
FLOOR – CEILING ASSEMBLIES

**A237R** Wood I-Joist with 2 layers of Type C Gypsum Wallboard and Resilmat

**FIG 7**
- 9 1/2”
- 48”
- 3 1/2” Batt insulation
- 7/8” 25 gauge furring channel
- 2 layers of 1/2” Type C Gypsum Wallboard
- 1 layer of 2mm Resilmat RM602
- 1 layer of 3/4” O.S.B

**FIG 8**
- A237R
- 2mm Resilmat RM602

**ACCREDITATIONS**
- STC 56
- IIC 55
- 1hr Fire Rated
- UL ASSEMBLY L570

**RESILMOUNT**

**ACOUSTIC CONSULTING**
www.pka.com.au

**TEL 800.675.8023**
FLOOR – CEILING ASSEMBLIES

A237R Open Web Wood Truss with 2 layers of Type C Gypsum Wallboard

FIG 9

1 layer of ¾” O.S.B

3 ½” Batt insulation

7/8” 25 gauge drywall furring channel

2 layers of 5/8” Type C Gypsum Wallboard

FIG 10

ACCREDITATIONS

UL ASSEMBLY L528

STC 57
IIC 51

ACOUSTIC CONSULTING
www.pka.com.au

1hr Fire Rated

1hr Fire Rated

www.resilmount.com
FLOOR – CEILING ASSEMBLIES

A237R 
Open Web Wood Truss with 1 layer of Type C Gypsum Wallboard

FIG 11

1 layer of 3/4” O.S.B

3 1/2” Batt insulation

7/8” 25 gauge drywall furring channel

1 layer of 5/8” Type C Gypsum Wallboard

FIG 12

ACCREDITATIONS

STC 54
IIC 44

ACOUSTIC CONSULTING
www.pka.com.au

UL 1hr Fire Rated
UL ASSEMBLY L528

TEL 800.675.8023
FLOOR – CEILING ASSEMBLIES

**A237R** Open Web Wood Truss with 1 layer of Type C Gypsum Wallboard

**FIG 13**
- 1 layer of 3/4” O.S.B
- A237R
- 3 1/2” Batt insulation
- 7/8” 25 gauge drywall furring channel
- 1 layer of 5/8” Type C Gypsum Wallboard
- 18” min
- 48”

**FIG 14**

**ACCREDITATIONS**
- STC 54
- IIC 47
- Fire Rated
- UL ASSEMBLY LS85
- www.resilmount.com
FLOOR – CEILING ASSEMBLIES

A237R Open Web Wood Truss with 1 layer of Type C Gypsum Wallboard

Parallel Chord Trusses

2 layers of 3/4" O.S.B

3 1/2" Batt insulation

1 layer of 5/8" Type C Gypsum Wallboard

7/8" 25 gauge drywall furring channel

A237R

ACCREDITATIONS

STC 58
IIC 49

UL ASSEMBLY L521

ACOUSTIC CONSULTING
www.pka.com.au

TEL 800.675.8023
FLOOR – CEILING ASSEMBLIES

A237R Open Web Wood Truss with 2 layers of Type C Gypsum Wallboard

FIG 17

1 layer of Homasote 440 1/2” Sound Barrier
1 layer of 3/4” O.S.B
3 1/2” Batt insulation
1 layer of 5/8” Type C Gypsum Wallboard
7/8” 25 gauge drywall furring channel

FIG 18

A237R

ACCREDITATIONS

1 hr Fire Rated
UL CERTIFIED
STC 56
IIC 54
UL ASSEMBLY L521
www.resilmount.com
FLOOR – CEILING ASSEMBLIES

A237R Wood Truss with 2 layers of Type C Gypsum Wallboard

**FIG 19**
- Wood joist
- A237R
- 1 layer of 3/4" O.S.B
- 7/8" 25 gauge drywall furring channel
- 48"
- 3 1/2" Batt insulation
- 1 layer of 1/2" Type C Gypsum Wallboard

**FIG 20**
- A237R

ACCREDITATIONS
- STC 50
- IIC 41
- 1 hr Fire Rated
- UL ASSEMBLY L502
- EVALUATION
- www.pka.com.au
FLOOR – CEILING ASSEMBLIES

A237R 10” Steel C Joist with 2 layers of Type X Gypsum Wallboard

FIG 23

16 gauge steel C joist


FIG 24

2 layers of Type X Gypsum Wallboard

3 5/8” Batt insulation

ACCREDITATIONS

STC 65
IIC 60

1 1/2 hr Fire Rated

31868656SAT-006B

EVALUATION

ACOUSTIC CONSULTING
www.pka.com.au

www.resilmount.com
Steel Bar Joist with Normal Weight Concrete

FIG 25

Metal decking

2” thick minimum normal weight concrete.
3000 psi compressive strength.

FIG 26

A237R

7/8” 25 gauge drywall furring channel

1 layer of Type C Gypsum Wallboard

Note:
The addition of fibreglass insulation in the cavity can raise the performance to approximately STC 63.

Part | Bolt Length | Cord
-----|-------------|-----
A237BR - 3 | 3” | 1”
A237BR - 4 | 4” | 2”
A237BR - 5 | 5” | 3”

ACCREDITATIONS

STC 53
IIC 36

ACOUSTIC CONSULTING
www.pka.com.au

UL ASSEMBLY G501 + L504

ACOUSTIC CONSULTING
www.pka.com.au

TEL 800.675.8023
FLOOR – CEILING ASSEMBLIES

A237CR  6” Concrete Slab with 1 layer of Type X Gypsum Wallboard

**FIG 27**
- M47 Clip
- 12g wire

**FIG 28**
- 6" Concrete
- 6" Insulation
- 12 GA wire
- Spaced at 48" oc
- A237CR

**FIG 29**
- CRC Channel
- 5/8" Type X Gypsum Wallboard
- A237CR

**ACCREDITATIONS**
- STC 63
- IIC 63
- RAL-IN14-016 (IIC)
- RAL-TL14-242 (STC)

www.resilmount.com
FLOOR – CEILING ASSEMBLIES

A48R 6” Concrete Slab with 1 layer of Type X Gypsum Wallboard

FIG 30

FIG 31

FIG 32

ACCREDITATIONS

STC 63
IIC 63

RAL-IN14-012 (IIC)
RAL-TL14-226 (STC)
FLOOR – CEILING ASSEMBLIES

**A50R 1,2,3** 6” Concrete Slab with 1 layer of Type X Gypsum Wallboard

- Easily works with all hanger wire.
- Easy installation into new or existing ceiling systems.
- Acoustically tested for STC and IIC.
- Does not reduce the load capacity of the ceiling system.
- Suitably isolates the ceiling system from the structure to reduce structure and airborne noise.
- Elastomer Type: Natural Rubber.
- Load capacity: 65 Lbs.

---

**ACCREDITATIONS**

STC 63
IIC 61

RAL-IN14-014 (IIC)
RAL-TL14-233 (STC)

www.resilmount.com
**METAL STUD**

**A237R** With 1 layer of Type X Gypsum Wallboard

![Diagram of A237R metal stud system with 1 layer of Type X Gypsum Wallboard, 3 5/8" 25 gauge metal stud, 7/8" 25 gauge furring channel, 5/8" Type X Gypsum Wallboard, 48" MAX OC, 6 1/2", and R19 Batt insulation.]

**ACCREDITATIONS**

- **1hr Fire Rated**
- **UL CERTIFIED**
- **Intertek**
- **56 STC**
- **UL ASSEMBLY U419, U423**
- **3188856SAT-003E**
- **TL08-239**

**TEL 800.675.8023**
METAL STUD

A237R With 2 layer of Type X Gypsum Wallboard

FIG 37

A237R

2 layers 5/8” Type X Gypsum Wallboard

3 5/8” 25 gauge metal stud

7/8” 25 gauge furring channel

48” MAX OC

7 1/2”

R19 Batt insulation

FIG 38

A237R

ACCREDITATIONS

UL ASSEMBLY U419, U423
3186856SAT-006D
TL08-240

63 STC
WOOD STUD

A237R With 1 layer of Type X Gypsum Wallboard

FIG 39

A237R

5/8” Type X Gypsum Wallboard

2” x 4” wood stud

7/8” 25 gauge furring channel

48” MAX OC

6 3/8”

FIG 40

A237R

5/8” Type X Gypsum Wallboard

R19 Batt insulation

ACCREDITATIONS

1hr Fire Rated

UL CERTIFIED

53 STC

UL ASSEMBLY U305

RAL-TL08-237

TEL 800.675.8023
WOOD STUD

A237R

With multiple layers of Type X Gypsum Wallboard

FIG 41

2" x 4" wood stud

5/8" Type X Gypsum Wallboard

7/8" 25 gauge furring channel

5/8" Type X Gypsum Wallboard

3/8" Type X Gypsum Wallboard

R19 Batt insulation

48” MAX OC

6 3/8”

ACCREDITATIONS

1hr Fire Rated

UL ASSEMBLY
UL305

56 STC

www.resilmount.com
WOOD STUD

A237R  With multiple layers of Type X Gypsum Wallboard

FIG 43

A237R  3/8” Type X Gypsum Wallboard

2” x 4” wood stud

5/8” Type X Gypsum Wallboard

R19 Batt insulation

6 3/8”

48” MAX OC

FIG 44

A237R  7/8” 25 gauge furring channel

5/8” Type X Gypsum Wallboard

3/8” Type X Gypsum Wallboard

ACCREDITATIONS

STC  59

UL ASSEMBLY U305

EVALUATION

ACOUSTIC CONSULTING

www.pka.com.au
WOOD STUD

A237R With 2 layers of Type X Gypsum Wallboard

FIG 45

2 layers 5/8” Type X Gypsum Wallboard
2” x 4” wood stud
7/8” 25 gauge furring channel
2 layers 5/8” Type X Gypsum Wallboard
R13 Batt insulation
7” MAX OC
48”

FIG 46

ACCREDITATIONS

2hr Fire Rated
60 STC
3186856SAT-006A
www.pka.com.au

ACOUSTIC CONSULTING

www.resilmount.com
STEEL STUD

M481R With 2 layers of Gypsum Wallboard

FIG 47

2 layers 1/2" Drywall

DEEP TRACK

FIG 48

6" Tilt-up Concrete Panel

FIG 49

ACCREDITATIONS

66 STC

EVALUATION

www.pkac.com.au

TEL 800.675.8023
All Resilmount products are precision manufactured by Studco Building systems for complete control over the quality of each individual mount, in order to meet or exceed the architectural specifications required of each resilient mount.

A237R
An engineered, patented acoustic resilient mounting bracket for Studco furring channels, for reducing airborne vibration and structure-borne vibration in wood, steel and concrete wall and ceiling applications.

A237BR
The Resilmount A237BR is used in bar joist applications where a dropped ceiling is needed. The clip accepts standard furring channel which enables the gypsum board to be decoupled acoustically from the bar joist and floor above.

A237CR
The A237CR was designed to support furring channel to Cold Rolled Channel (CRC) while providing sound isolation between the two. The A237CR features a top clip that simply snaps and locks in around the CRC with a simple rotation motion, along with the A237R which quickly and effectively locks in standard furring channel.

A48R
A48R™ is an engineered, acoustic resilient right angled bracket for reducing airborne vibration and structure-borne vibration in internal wall and ceiling applications. Used to brace an acoustic wall to the structure without compromising sound and vibration transmission requirements.

A50R
Resilmount™ A50Rs weight rated for 65, 120 and 200 lbs, are specifically designed for the support, deflection and acoustical isolation of internal suspended ceiling systems. Acoustically tested for STC and IIC with Riverbank Acoustical laboratories.
INSTALLATION INSTRUCTIONS

Disclaimer:
In fire rated installations, assembly installation instructions need to be confirmed prior to installation to satisfy assemblies details.

Fire Rated Installation
On Fire Rated applications Resilmount Fire Washer must be installed as shown in (Fig 50, 51). If this washer is not installed the clip has no Fire Rating.

Space Resilmount A237R so as not to exceed 48” O.C. Secure clips with a single fastener through the middle screw hole in the clip. (Fig 51)

Snap hat channel onto Resilmount A237R. (Fig 52)

Fasteners

(A) Wood: #8 x 2-1/2” Coarse Threads
(B) Steel: #8, #10 or #12 x 1-5/8” Self Tapping Type S
(C) Concrete: 3/16” x 2-1/4” Anchor Screws

DO NOT fasten Resilmount clips to framing members with nails. Use only approved screws.

Layouts for Studs at 16” O.C. with 1 or 2 layers of Gypsum Board

Clip usage guide for walls and ceilings

Studs at 16” O.C. and Furring Channel at 24” O.C

Disclaimer:
In fire rated installations, assembly installation instructions need to be confirmed prior to installation to satisfy assemblies details.

DO NOT fasten Resilmount clips to framing members with nails. Use only approved screws.

Width

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Fig 50
Fig 51
Fig 52
Fig 53
The Resilmount family of products...

STUDCO BUILDING SYSTEMS US, LLC
P: 800.675.8023 F: 585.545.3010
www.resilmount.com

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1) The Sound Transmission Loss “STC” assessments are based on the results that would occur if tested at the Riverbank Laboratories. In the case of impact sound transmission “IIC” predictions these are only considered as a guide and do not carry the degree of accuracy of the Sound Transmission Loss predictions. The impact sound transmission is influenced by the dynamics of the installed system. Deflection of the floor pistons under load will vary from project to project. This has a significant influence on the performance of the resilient mounts depending upon the ratio of the floor deflection to the deflection of the resilient mount. As a result the impact sound transmission, IIC has a tolerance of Plus or Minus 3 IIC due to the dynamics of installation and site conditions. Where the deflection of the floor system under load is very small, that is it is a very stiff system then the higher value of the impact transmission loss could be anticipated.

2) No allowance is made for sound flanking that may occur in a field installation. With appropriate design, good workmanship and attention to detail, and ideal site conditions, Field “STC” and “IIC” performance can be broadly comparable to laboratory performance.