

A481R & A482R

Resilmount A481R & A482R Isolated Wall Brace

DESCRIPTION

For providing a structural tie between two walls and for supporting horizontal loads, the Resilmount A481R and A482R isolated wall brace is unsurpassed in performance, amenity and value.

Commonly used in cinemas, theatres and lecture halls to decouple internal steel or wood walls from the concrete structure, these acoustic mounts are engineered to reduce the transmission of structure-borne noise and vibration, while providing economic benefits by minimising the wall framing requirements.

Acoustic performance of this isolation mount has been laboratory tested and the unique design overcomes many of the shortcomings of traditional acoustic wall ties.

FEATURES

- Isolates tall internal walls from the building structure
- Easy installations by screw fixing to stud web
- No need for installer to adjust or engage with compression bolt
- Eliminates possibility of shorting to the structure
- Supplied as pre-compressed assembly with 3/16" deflection (A482R only)
- Allows reduced stud size/spacing which reduces build cost
- Can be installed after the wall framing is built
- Engineered to prevent wall buckling during earthquakes
- Laboratory tested to ISO 10140-2

INSTALLATION

Requirements for isolated wall braces vary from wall to wall, depending on a number of variables. For brace spacing and centres, please seek design advice from Studco's engineering consultants.

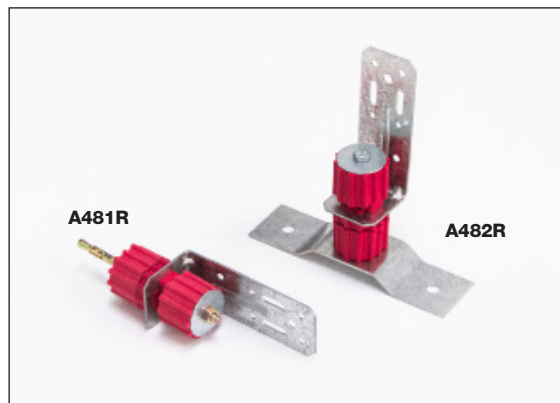
	FASTENER A		FASTENER B
A481R	Concrete	1 x 6" Threaded Masonry Anchor	2 x 3/4" # 10 Self Tapping Screws
	Steel	1 x 3 1/2" #10 Self Tapping Screw	
A482R	Concrete	1/4" x 2-1/4" Masonry Fastener	
	Steel	2 x 1" #10 Self Tapping Screws	

- For A481R, tighten fastener to structure so that resilient elements are compressed by 3/16" overall.
- Use oversize washer under screw head when using self tapping screws to metal structure.

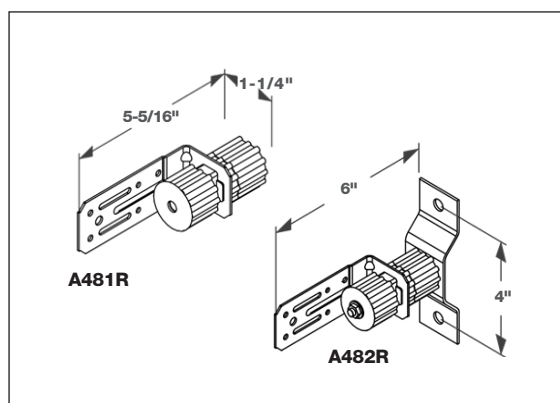
PERFORMANCE / TECHNICAL

Acoustic Performance

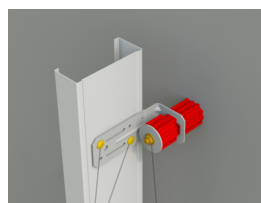
System Ref.	Width	R _w	R _w + C _{TR}	STC
A481R-01	12-1/2" min.	68	65	68
A482R-01	13" min.	69	66	69



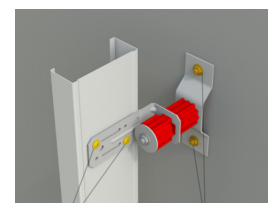
A481R & A482R



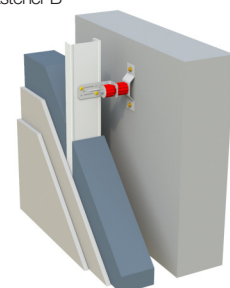
A481R & A482R DIMENSIONS



Fastener B Fastener A



Fastener B Fastener A



- Minimum 6" thick concrete panel wall.
- 2-4" gap.
- Resilmount A481R or A482R isolated wall brace.
- Studco 3-5/8" steel stud at 24" centers.
- 4" unfaced batt insulation.
- 2 layers of 1/2" drywall.

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PERFORMANCE / TECHNICAL cont.

- Maximum dynamic loading: FLAT = 90 lbs, FLONG = 135 lbs
- For fastening details, refer to 'INSTALLATION' section of data sheet.
- For fastening to concrete, ensure minimum 2" embedment into concrete (4,643 psi concrete).
- Use only flanged screw heads.
- Steel stud gauge 18 GA used for calculations.
- Distributed load only. For point loads, please contact Studco.
- For structural performance in seismic applications or for ultimate strength loads, please contact Studco.

PRODUCT RANGE

Ordering Information

Part No.	Description	Stock Pack
A481R-RED	Resilmount A481R isolated wall brace - RED 135 lbs.	50
A481R-PUR	Resilmount A481R isolated wall brace - PURPLE 230 lbs.	50
A482R-RED	Resilmount A482R isolated wall brace - RED 135 lbs.	25
A482R-PUR	Resilmount A482R isolated wall brace - PURPLE 230 lbs.	25

- A481R is supplied with 1 concrete 6" threaded masonry anchor.

SPECIFICATION

A481R

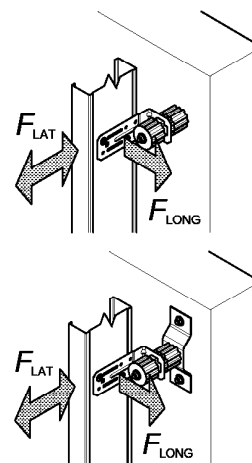
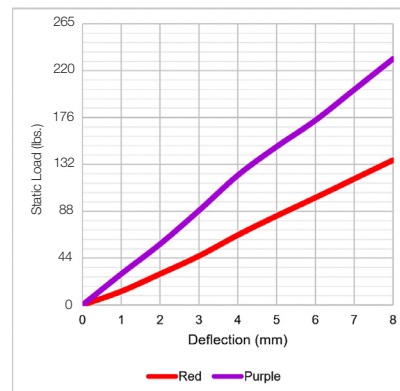
Brace internal steel stud walls with isolated resilient brace tested to ISO 10140-2 and supplied with appropriate performance data. Use Resilmount A481R isolated wall brace as supplied by Studco Building Systems.

A482R

Brace internal steel stud walls with isolated resilient brace tested to ISO 10140-2 and supplied with appropriate performance data. Resilient element shall be pre-compressed to 3/16" static deflection. Brace design shall disallow accidental 'shorting' of the isolation elements and shall not require the installer to adjust the compression bolt assembly. Use Resilmount A482R isolated wall brace as supplied by Studco Building Systems.

*Patents Pending

Static Deflection Rate



FURTHER ASSISTANCE

For sensitive acoustic applications, please consult Studco prior to specifying. For seismic applications and heavy wall linings, please consult Studco prior to specifying. Always consult a qualified structural engineer if unsure. For further information, contact Studco Technical Services Team on 800 675 8023.

ACCREDITATION/CERTIFICATION

Laboratory testing by:



Engineering and opinions by:



For Sales Enquiries, please contact the Resilmount team on 800 675 8023