

Resilwall[®] MQST

Acoustic Stud

DESCRIPTION

The Resilwall acoustic stud system is a unique, engineered metal profile that has been proven to greatly improve the sound isolation performance of internal lined walls.

Designed to outperform acoustic properties of conventional steel stud wall systems, the Resilwall acoustic stud system is the superior solution for walls with sensitive acoustic requirements and is commonly used in walls that separate habitable rooms from noisy environments such as corridors, lift shafts and plant rooms.

Resilwall is suitable for use in high-rise residential apartments, aged care units, hospitals, offices and laboratories, and is appropriate for situations where vertical deflection is present.

FEATURES

- Engineered profile designed to absorb airborne noise as it passes through the wall framing.
- Wall systems performance independently tested by the University of Auckland.
- Resilwall achieves complete compliance with BCA standards and NZBC guidelines.
- Suitable for up to 7 metre high wall spans.
- Available in 92mm to suit Studco's standard 92mm track and Studco's Vortex High Performance Framing System.

DYNAMIC CHARACTERISTICS

This product has been independently tested and verified by The University of Auckland for reducing airborne sound transmission in internal lined wall systems and is suitable for use in walls that are required to comply with the Building Code of Australia Part F5 and the New Zealand Building Code Clause G6 Airborne and Impact Sound. If you are an acoustic engineer and require further information or copies of test results, please contact Studco for prompt attention.

WARRANTY

This product is covered by a five year warranty. Conditions and limitations of warranties are set out in Studco Project Warranty certificate.



ACCREDITATION/CERTIFICATION



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PERFORMANCE

No.	Plasterboard Side A	Stud	Insulation	Plasterboard Side B	RW	RW + CTR	REF
1	1 x 13mm Acoustic Plasterboard (12.5kg/m²)	Studco Resilwall Acoustic Stud	75mm Glasswool (14kg/M³)	1 x 13mm Acoustic Plasterboard (12.5kg/m²)	51	40	UOA T1406-1A
2	1 x 16mm Acoustic Plasterboard (12.9kg/m²)	Studco Resilwall Acoustic Stud	75mm Glasswool (14kg/M³)	1 x 16mm Acoustic Plasterboard (12.9kg/m²)	51	43	PKA102SDC
3	1 x 13mm (12.5kg/m²) & 1 X 10mm (9.3kg/m²) Acoustic Plasterboard	Studco Resilwall Acoustic Stud	75mm Glasswool (14kg/M³)	1 x 13mm Acoustic Plasterboard (12.5kg/m²)	57	46	UOA T1406-1B
4	1 x 13mm (12.5kg/m²) & 1 X 10mm (9.3kg/m²) Acoustic Plasterboard	Studco Resilwall Acoustic Stud	75mm Glasswool (14kg/M³)	1 x 13mm (12.5kg/m²) & 1 X 10mm (9.3kg/m²) Acoustic Plasterboard	61	51	UOA T1406-1C
5	2 x 13mm Fire-Rated Plasterboard (10.5kg/m²)	Studco Resilwall Acoustic Stud	75mm Glasswool (14kg/M³)	2 x 13mm Fire-Rated Plasterboard (10.5kg/m²)	61	51	PKA104SDCA
6	2 x 13mm Fire-Rated Plasterboard (10.5kg/m²)	Studco Resilwall Acoustic Stud	100mm Glasswool (14kg/M³)	2 x 13mm Fire-Rated Plasterboard (10.5kg/m²)	61	52	PKA104SDCB



PRODUCT RANGE/SPECIFICATIONS

Part No.	Acoustic Stud	Length mm.	Sub Pack	Stock Pack
MQST-2850	Resilwall Acoustic Stud 92mm X 0.55 BMT	2850	2	40
MQST-30	Resilwall Acoustic Stud 92mm X 0.55 BMT	3000	2	40
MQST-36	Resilwall Acoustic Stud 92mm X 0.55 BMT	3600	2	40
MQST-42	Resilwall Acoustic Stud 92mm X 0.55 BMT	4200	2	40
MQST-48	Resilwall Acoustic Stud 92mm X 0.55 BMT	4800	2	40
MQST75-36*	Resilwall Acoustic Stud 92mm x 0.75 BMT	3600	2	40
MQST75-42*	Resilwall Acoustic Stud 92mm x 0.75 BMT	4200	2	40
MQST75-48*	Resilwall Acoustic Stud 92mm x 0.75 BMT	4800	2	40

*Lead times may apply



FURTHER ASSISTANCE

Contact the technical engineering team at Studco Technical Services for assistance with specifications, product selection, acoustic engineering and structural engineering enquiries.

T: 1300 255 255 or email techadvice@studcosystems.com.au