

Resilient Channel

DESCRIPTION

The Resilmount M581 resilient channel is manufactured from 0.45BMT galvanised steel and is available in 3600mm lengths.

The fundamental purpose of the resilient channel is to provide a means for attaching the plasterboard to the supporting structure without actually permitting the plasterboard to directly contact the structure. It's the de-coupling of the plasterboard from the framing that provides the improved sound transmission loss.

Resilient channels are commonly used in multi-residential housing projects. The M581 resilient channel is manufactured from high grade galvanised steel and is suitable for fixing to timber and steel studs for the purpose of reducing sound transmission. The fixing leg of the channel is supplied with pre-punched holes to aid on-site installation and reduce construction time.

FEATURES

- Low cost acoustic wall solution.
- Channel effectively isolates plasterboard from the framing studwork, resulting in substantial weakening of the sound waves.
- Effortless installation process - RRC comes pre-punched for fast and easy fixing.
- Can be used in any application where sound transmission is a concern.
- Holes in the web of the channel provide flexibility.

DYNAMIC CHARACTERISTICS

Constructing an internal acoustic wall on a budget that still complies with the standards and building code is achievable using Resilmount's M581 resilient channel available from Studco. In fact, Resilmount's one-leg resilient channel is one of the most effective, low-cost methods of reducing sound travelling through walls in homes, apartments and offices.

INSTALLATION NOTES

Resilient channel fixed to stud wall to provide a reduction in sound transmission. Refer to the table on the second page for Resilient channel spans.



RC1 RESILIENT CHANNEL



RC2 RESILIENT CHANNEL

RESILIENT CHANNEL



ORDERING INFORMATION

Part No.	Acoustic Stud	Length mm.	Sub Pack	Stock Pack
M581	Resilmount Resilient Channel	3600	10	100



M581 MAXIMUM SPANS

Furring Channel Spacing	450mm	600mm
Plasterboard Lining	Continuous Span	
1 layer 10mm	600mm	600mm
1 layer 13mm	600mm	600mm
1 layer 16mm	600mm	600mm
2 layers 10mm	600mm	600mm
2 layers 13mm	600mm	600mm
2 layers 16mm	600mm	600mm

Notes:

1. Span tables are based on the effective properties as per AS/NZS 4600.
2. Strength and serviceability criteria compliant.
3. Serviceability deflection limit $L/360$.



WARRANTY

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



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



ACCREDITATION/CERTIFICATION

