

SPEEDWALL TECHNICAL SPECIFICATION

SPEEDWALL

1 GENERAL

1.1 SCOPE OF WORKS

Refer to the drawings and specification for implied or specified scope of works which is generally for the supply and fitting of Speedwall, Speedwall Fire and Acoustic Systems in order to provide a complete project.

1.2 RELATED MASTERSPEC ® SPECIFICATIONS

Section 3421	Light Steel Framing
Section 3821	Timber Framing
Section 4719	Thermal Insulating Materials
Section 4729	Acoustic Insulating Materials
Section 5113G	Gib Plasterboard Linings

Refer to the Acoustic Report
Refer to the Fire Report.

1.3 DOCUMENTS

Documents referred to in the specification are:

NZS 3403	Hot dipped galvanised corrugated steel sheet for building purposes.
NZS 3441	Hot dipped zinc coated steel coil and cut lengths.
NZS 4203	Code of practice for general structural design and design loadings for buildings.
NZS 7202	Part 1 specification for gap filling adhesives.
AS/NZS 2589	Gypsum linings in residential and light commercial construction.
AS 1538	Cold formed steel structures code.

Documents listed above and cited in the clauses that follow are part of this specification. However this specification takes precedent in the event of it being at variance to the cited documents.

2 MANUFACTURERS DOCUMENTS

Manufacturers and suppliers documents which refer to work in this section are:

Speedwall Installation & Design Manual
USG Drywall Steel Stud & Track System

Rondo Steel Stud & Tracks Installation Manual
Autex Insulation Data Sheets
Tasman Insulation Data Sheets
Gib ® Technical Information
Hilti New Zealand Catalogue
Hylton Parker Fasteners Catalogue

3 PERFORMANCE

3.1 PROVIDE

Provide a territorial authority approved producer statement.

3.2 STRAIGHTNESS

Hold within L/600 approximately 5mm in 3 metres.

4 PRODUCT

4.1 MATERIALS

Cold rollformed steel shells to AS1538 and galvanised to AS1397, filled with proprietary aerated concrete infill.

BRAND - SPEEDWALL

<i>Member</i>	<i>Dimensions</i>	<i>Length</i>
Speedwall Panels	250mm high x 78mm wide nominally	up to 8.0m
Tracks – C Channel	60mm x 80mm x 1.2bmt	3m
– L Section	60mm x 60mm x 1.2bmt	3m

Finishes - Galvanised Z275
- ZR8 Colourcote
- ZRX Colourcote
- ZAM

Weight 39.6 kg/m² or 9.9 kg/m

5 COMPONENTS

5.1 SCREWS

Self drilling, self tapping to suit the member, connection method and location to the manufacturers stated requirements.

5.2 POWDER ACTUATED FASTENERS

To type, size and charge required by the powder actuated tool manufacturer for each particular member and the substrate.

5.3 BOLTS AND SCREWS

Of engineering and/or coach type complete with washers to suit the member, connection method and location to the manufacturers stated requirements.

5.4 LIGHT STEEL FRAMING

Cold rollformed steel sections to AS1538 and galvanised to AS1397, coating class ZM100.

5.5 GLASS POLYESTER FIBRE ACOUSTIC PANELS AND BLANKET

Lightweight glass fibre or bonded polyester fibre materials in panels or as a 600mm/1200mm wide blanket.

5.6 GIB ® PLASTERBOARD

No substitutions to be made to any specified Gib ® plasterboard sheets.

5.7 GROUT

Hilti CM651 non shrink cementitious grout for high performance grouting of building components.

5.8 FIRE SEALANT

Hilti CP606 fire resistant joint filler for floor and wall connections with low movement.

6 EXECUTION

6.1 HANDLE AND STORE

Handle and store panels, channels and accessories to avoid damage. Keep dry in transit, store clear of the ground on timber pallets.

6.2 SUBSTRATE

Substrate to be plumb, level and true alignment do not start erection if the substrate will not allow work of the required standard.

7 APPLICATION

7.1 TRACKS

Fit floor, wall and ceiling tracks square and true to line with fixings in accordance with the Speedwall installation manual.

- 7.2 **SPEEDWALL PANELS**
Position Speedwall panels in the channels plumb and true. Insert grout and fire sealant in accordance with the Speedwall manual.
- 7.3 **STRAPPING**
Provide all studs and battening required for the fixing of insulation and linings to complete the Speedwall system in accordance with the manufacturers installation manual. Leave all this work, plumb, square and true to line and face.
- 7.4 **LEAVE**
Leave all work to the standard required for all the following trades.
- 7.5 **REMOVE**
Remove all debris, unused material and elements from the site.