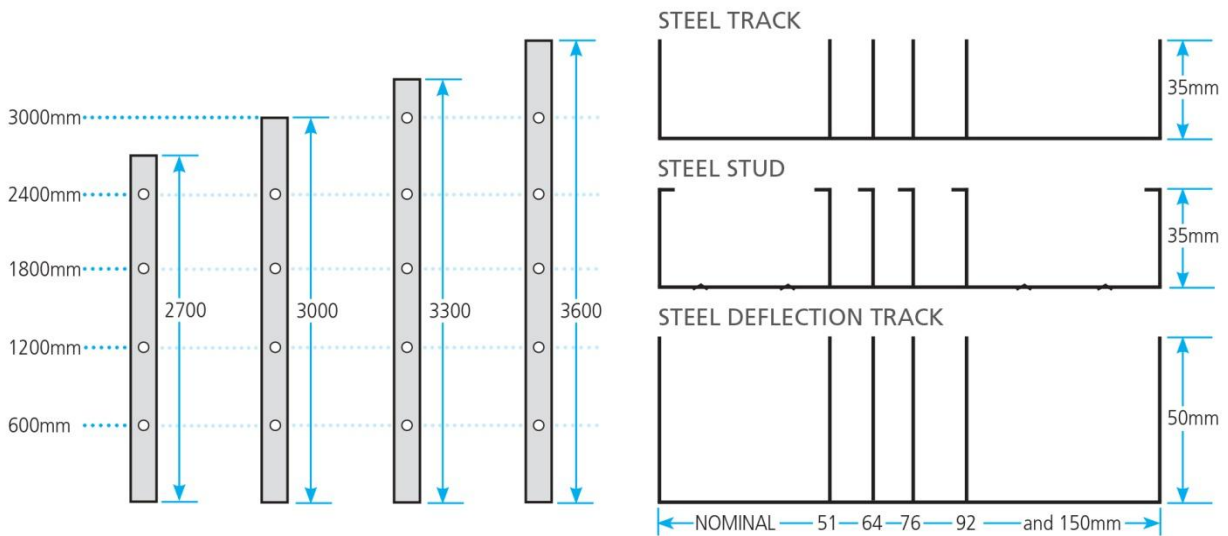


Ecoplus Systems Steel Stud and Track provides a practical solution for screw fixing plasterboard linings to internal non-load bearing partitions and ceiling bulkheads.

System Components



Features

- Dimensionally stable, lightweight yet strong.
- Lipped edge of Stud enhances strength and provides safe handling.
- Knurled face prevents screw slip when applying dry linings and provides additional hold for adhesive.
- Asymmetrical legged to enable boxing for extra loading when required.
- Pre punched, evenly spaced service holes.



Storage and Handling

Steel Stud and Track components should be kept dry during storage and transit.

Keep surfaces clean and free from debris and moisture.

Wear protective clothing including safety gloves when handling.

Quality check all material for damage or defects prior to installation.

If there is a requirement to use Ecoplus Systems Steel Stud and Track outside the stated limitation and / or installation guidelines, please contact Ecoplus Systems before proceeding.

Installation and design tables for NON load bearing application

No product should be installed into areas where it has prolonged contact with moisture.

Top and bottom track should be fixed at 600mm centres.

Cut studs 6mm shorter than the floor to ceiling height to allow for expansion.

For fire rated walls where Deflection Head Track is utilized, cut the studs 20mm shorter.

Screw fix the last studs to the floor and ceiling track. For load bearing walls, screw all studs to tracks.

For fire rated walls, do not mechanically fix any studs to any tracks.

Where the lateral restraint integrity of the stud wall is not assured (for example, unlined or lined on one - side only) the wall must be provided with at least one row of mid span noggling.

If Deflection Head Track is used, an additional line of noggling must be installed 100mm below the head.

Studs at 300mm centres are equivalent to boxed stud pairs at 600mm centres.

This installation information does not account for Fire or Acoustic ratings. Relevant information pertaining - to these ratings are specified by various building board manufacturers and suppliers - throughout New Zealand and Australia.

The following design table has been formulated using recognised Australian and New Zealand industry standards and guidelines.

Maximum Wall Heights for Internal, Non - Load Bearing, Non - Fire Rated Steel Stud Partition Walls

STUD SIZE (mm)	GAUGE (mm)	UNLINED, OR LINED ON ONE SIDE ONLY			PLASTER BOARD LININGS TO BOTH SIDES								
					1 sheet 10mm each side			1 sheet 13mm each side			1 sheet 16mm each side		
		<< Maximum Wall Height mm - for stud spacing of: >>											
		300	450	600	300	450	600	300	450	600	300	450	600
51	0.55	2950	2580	2340	3980	3480	3040	4270	3510	3040	4300	3510	3040
64	0.55	3510	3070	2790	4740	4070	3530	4990	4070	3530	4990	4070	3530
76	0.55	3890	3400	3090	5130	4190	3630	5130	4190	3630	5130	4190	3630
92	0.55	4640	4050	3680	5670	4950	4300	6080	4970	4300	6080	4970	4300
150	0.75	7580	6670	6060	7950	7160	6500	7950	7160	6500	8200	7410	6780

Minimum yield strength of 275Mpa. SGS New Zealand Ltd. Test report No: INZ49590-02

This table is an indicative guide for maximum wall height when installed as per manufacturers instructions.

Load Bearing Walls are NOT covered by this table and must be engineer designed and certified.

Ecoplus Systems Steel Stud and Track has been assessed by Building Element Assessment Laboratory (BEAL) as an Internal Partition System which meets the performance requirements of the NZ Building Code. The following Australian and New Zealand standards are utilised and referred to in the preparation of these products and supporting literature.

AS/NZS 4600:2005	Cold Formed Steel Structures.
AS 1397: 1993	Sheet and Steel Strip. Hot Dipped Zinc - Coated or Aluminium / Zinc Coated.
AS/NZS 1170	Structural Design Actions.
AS/ZNS 2588:1998	Gypsum Plasterboard.
AS 3566: 1988 - Screws	Self Drilling, for the construction and building industries.
AS1530.4	Fire Resistance of Elements of Building Construction
NZBC - B2 Durability	Ecoplus Systems Steel Stud and Track will have a minimum life of 15 years, when utilised in interior construction and under dry, corrosion free conditions.