

Acoustic steel frame fire rated systems

Product	BPB Plasterboard
System	Acoustic steel frame wall system
System Number	TGSLA60r
Fire Resistance Rating	60/60/60
Plasterboard System	1 Inner Layer 13mm BPB Regular and 1 Outer Layer 13mm BPB Firestop each side Resilient channel on one side

Framing

Steel framing constructed using framing dimensions and height as determined by NZS 4203 stud tables for loadbearing walls. The minimum stud size is 63 x 32 x 1.15mm (LB) or 0.55mm (NLB). Studs are placed at 600mm centres maximum. Nogs are only required at horizontal joints.

Wall Height

Wall may be maximum 3.6 metres high with studs at 600mm centres. Framing dimensions and wall height are determined by NZS 4203 stud tables for loadbearing partitions.

Lining

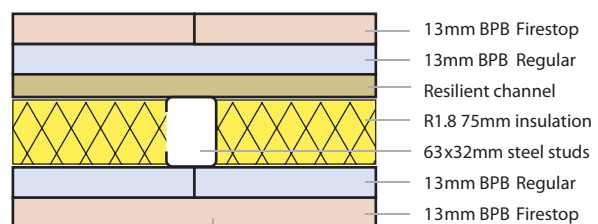
One inner layer of 13.0mm BPB Regular and one outer layer of 13.0mmBPB Firestop fixed each side of steel framing with resilient channel to one side. Use full-length sheets where possible.

Fixing

Fix inner and outer layers at minimum 300mm centres to perimeter of sheets and to intermediate studs and nogs. Horizontal and vertical fixing permitted. Sheet joints staggered between layers. All vertical sheet edges must be made over solid framing.

Resilient Channel

Resilient channel is fixed to the studs at 600mm centres on one side of the wall. Plasterboard fixed at 300mm centres along channel.



Fasteners	Drywall Screws
	12mm from sheet edge
Inner 13mm	40mm x 6g Bugle head
Outer 13mm	50mm x 7g Bugle head

Acoustic Control

Wall cavities must be filled with R 1.8 nominal 75mm fibreglass insulation or other insulation of equivalent performance between studs on one wall only. Place a bead of acoustical sealant to the perimeter of the first layer and bed the second layer to the bead.

Jointing

All fastener heads stopped and all sheet joints reinforced with paper jointing tape to outside layer only and stopped in accordance with AS/NZS 2589.1.

