

Acoustic steel frame fire rated systems

Product	BPB BPB Plasterboard
System	Acoustic steel frame wall system
System Number	TGSLA30b
Fire Resistance Rating	30/30/30
Plasterboard System	1 Layer 16mm BPB Firestop each side

Framing

Double stud 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 0.55mm. Studs are placed at 600mm centres maximum. Nogs are only required at horizontal joints. Walls are separated by minimum 25mm.

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 layer 16.0mm BPB Firestop fixed each side of steel framing. Use full-length sheets where possible.

Fixing

Fix 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.

Acoustic Control

Wall cavities must be filled with R2.2 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.

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.

