

Product	BPB Plasterboard
System	Acoustic timber frame wall system
System Number	TGTLA60ic
Fire Resistance Rating	60/60/60
Plasterboard System	2 Layers 13mm BPB Firestop each side with ST-001 Acoustic Isolation Clip and USG FC37 Furring Channel on one side.

Framing

Timber framing constructed using framing dimensions and height as determined by NZS 3604 stud tables for loadbearing walls. The minimum stud size is 90 x 45mm.

Wall Height

Wall may be maximum 3.6 metres high with studs at 600mm centres maximum. Framing dimensions and wall height are determined by NZS 3604 and stud tables for loadbearing partitions.

Lining

Two layers of 13mm BPB Firestop fixed each side of timber framing with USG FC37 Furring channel and ST-001 Isolation Clips one side. Use full-length sheets where possible.

Fixing

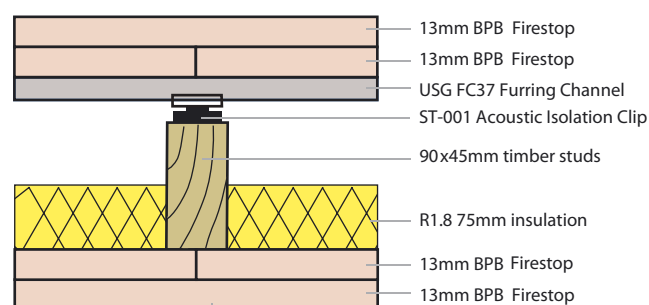
Fix inner and outer layers at minimum 300mm centres to perimeter of sheets and to intermediate studs and nogs. Horizontal and vertical fixing permitted. Sheet joints staggered between layers. All vertical sheet edges must be made over solid framing.

ST-001 Acoustic Isolation Clip

The ST-001 Acoustic Isolation Clip is fixed to the studs vertically at 600mm centres and horizontally to every second stud using one 63mm x 8g self tapping screw for each clip. The ST-001 clips are adjustable for depth and adjustments can be made at this point ensuring that the spacer held within the rubber mount does not come in contact with the clip.

Furring Channel & ST-001 Isolation Clip

Use USG FC37 Furring Channel which is to be clipped into the ST-001 Acoustic Isolation Clips horizontally ensuring that any joints are made as close as possible to the ST-001 Acoustic Isolation Clip.



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.

