

Timber frame fire and acoustic rated systems

Product	BPB Plasterboard
System	Acoustic timber frame wall system
System Number	TGTLA60f
Fire Resistance Rating	60/60/60
Plasterboard System	1 Inner Layer 13mm BPB Firestop and 1 Outer Layer 13mm BPB Regular each side with Soundstop foam tape both sides

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 heights are determined by NZS 3604 and stud tables for loadbearing partitions.

Lining

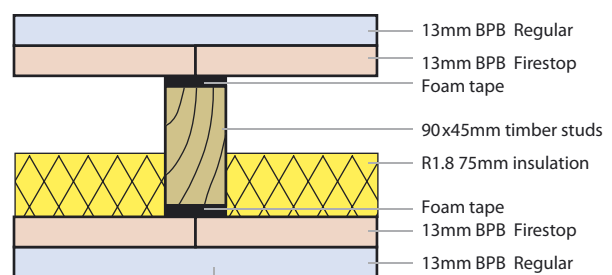
One inner layer of 13.0mm BPB Firestop and one outer layer of 13mm BPB Regular fixed each side of timber framing over Soundstop fire resistant foam tape. Use full-length sheets where possible.

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.

Acoustic Control

All framing faces on both sides of the frame must be covered with Soundstop fire resistant foam tape. Wall cavities must be filled with R 1.8 nominal 75mm fibreglass insulation for STC 55 or filled with 75mm thick Noise Control Blanket for STC 57 or other insulation of equivalent performance between studs. Place a bead of acoustical sealant to the perimeter of the first layer and bed the second layer to the bead.



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

Soundstop Foam tape

Fix Soundstop fire resistant foam tape to all framing faces. When fixing plasterboard ensure compression of Soundstop fire resistant foam tape is no less than 1.5mm and no greater than 3mm.

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.

