

# Timber frame fire and acoustic rated systems

Product	BPB Plasterboard
System	Acoustic timber frame wall system
System Number	TGTLA60r
Fire Resistance Rating	60/60/60
Plasterboard System	1 Inner Layer 13mm BPB Regular and 1 Outer Layer 13mm BPB Firestop each side and Resilient 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

One inner layer of 13.0mm BPB Regular and one outer layer 13mm BPB Firestop fixed each side of timber framing with resilient channel 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

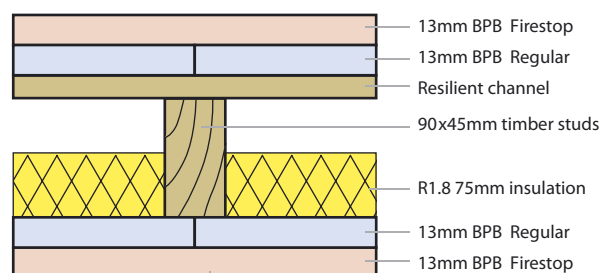
Resilient channel is fixed to the studs at 600mm centres on one side of the wall. Plasterboard fixed at 300mm centres along channel.

## 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.



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

