

Timber frame fire and acoustic rated systems

| | |
|------------------------|---|
| Product | BPB Plasterboard |
| System | Acoustic timber frame wall system |
| System Number | TGTLA60a5 |
| Fire Resistance Rating | 60/60/60 |
| Plasterboard System | 1 Layer 10mm BPB Firestop and 1 Layer 13mm BPB Firestop each side. |

Framing

Double Stud Timber framing constructed using framing dimensions and height as determined by NZS 3604 stud tables for loadbearing walls. Minimum stud size for loadbearing 90 x 45mm. Studs are placed at 600mm centres maximum and walls are separated by minimum 25mm with studs aligned.

Wall height

Framing dimensions and wall height are determined by NZS 3604 stud tables for loadbearing partitions.

Lining

One layer of 10.0mm BPB Firestop and one layer of 13.0mm BPB Firestop fixed each side of double stud timber framing. Use full length sheets where possible.

Fixing

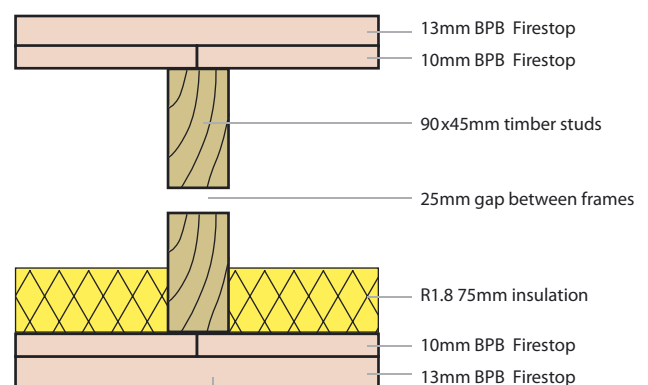
Fix inner and outer layers at 300mm centres to sheet perimeter and to intermediate studs. Horizontal and vertical fixing permitted. Nogs are not required. All sheet edges must be made over solid framing.

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 10mm | 32mm x 6g Bugle head |
| Outer 13mm | 50mm x 7g Bugle head |

