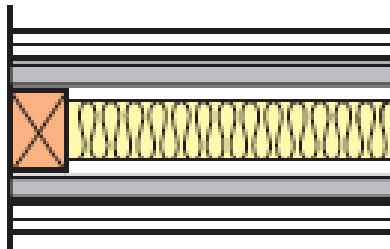


Timber Stud Partition system type – **Timber (Non-loadbearing)**

Product Substantiation Report (PSR) reference – **A046024**

Performance characteristics

Partition Fire Resistance (BS 476):	90 minutes
Permissible load ratio (after fire resistance period):	Non- loadbearing
Partition Laboratory Sound Resistance (BS EN 717):	60 R_wdB
Partition nominal thickness (excluding finishes):	170mm



Framing components

Minimum timber stud size:	75mm x 38mm
Stud centres:	600mm

(Minimum stud size quoted above required to satisfy stated fire resistance performance criteria, larger stud sizes may be specified to meet structural height requirements. Timber stud sizes to satisfy structural partition criteria must be specified by others)

Gypframe resilient component:	Gypframe RB1 Resilient Bar applied to both sides of timber framing
Installed centres of resilient component:	Horizontally at 600mm vertical centres with additional sections applied vertically around partition perimeter to facilitate perimeter screw fixing of plasterboard layers.

Acoustical sealant:	Gyproc Sealant applied around perimeter to both sides of partition framework
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Drawing references:	Refer to relevant Architects drawings
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Plasterboard components

Number of plasterboard layers each side:	2
Gyproc plasterboards:	
Layer 1 (Inner):	19.0mm Gyproc Plank
Layer 2	12.5mm Gyproc SoundBloc
Layer 3	n/a
Screw fixings for boarding:	
Layer 1 (Inner):	35mm Gyproc DryWall Screws into resilient bars.
Layer 2	45mm Gyproc DryWall Screws into resilient bars
Layer 3	n/a

- All board joints installed staggered in accordance with Gyproc's current installation recommendations.
- Vertical Joints in face layer boards treated in accordance with **Gyproc Paper Joint Tape** method.
- Horizontal joints in face layer boards to be backed with horizontal timber noggings or Gypframe GFS1 Fixing Strap and treated in accordance with **Gyproc Paper Joint Tape** method.
- Gyproc DryWall screws installed at 300mm centres (200mm at external corners)
- Gyproc DryWall screws must maintain a minimum 10mm penetration into Gypframe metal framing components.

Insulation components

Insulation specification required in stud cavity: **50mm Isover Acoustic Roll**

Isover Acoustic Roll insulation fixed inside head of GypWall stud cavity with lengths of **Gypframe GA1 Angle** or timber battens.

Finishing

2mm **Gyproc Skimcoat** plaster (or **Carlite Finish**) applied in accordance with Gyproc's current recommendations.

Or

1 coat of **Gyproc Drywall Primer** prior to direct decoration (applied as soon as possible after board fixing is completed).

Qualifications

All materials unless otherwise indicated shall be supplied by Gyproc, and shall be installed in accordance with their current published instructions and generally in accordance with all relevant Standards. Systems installed in full accordance with Gyproc's recommendations comprising of genuine Gyproc and Isover branded components qualify for the SpecSure lifetime system warranty.



Health & Safety

Ensure that suitable personal protection is worn when handling Gyproc and Isover products/systems. All relevant Health and Safety Legislation and Guidelines must be followed. The relevant Material Safety Data Sheets must be referred to prior to specifying, handling or installing Gyproc & Isover products and systems.

Installation

For full installation assistance refer to Gyproc Systems Solutions and Installation Guide literature which is available at www.gyproc.ie. Alternatively contact the Technical Service department at 1800 744480 (RoI) or 0845 3990159 (NI). Full specification, detailing and site support can be offered for your project specific requirements.

Manufacturer

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