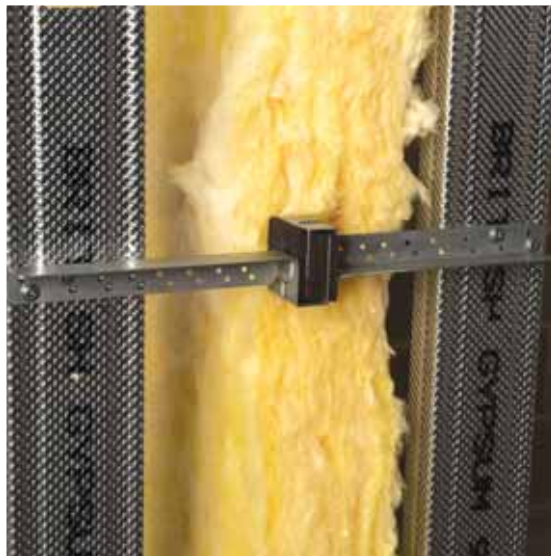
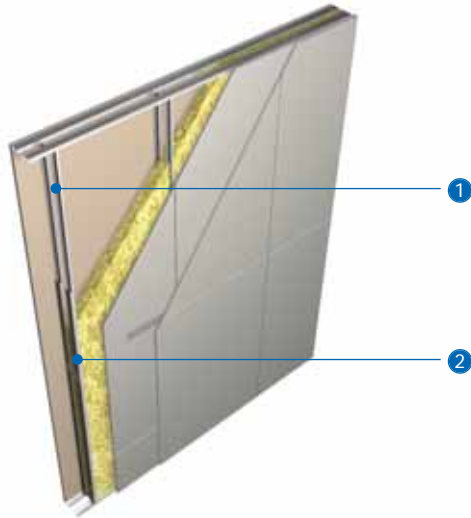


GypWall audio

The ultimate sound insulating wall system

GypWall audio is a non-loadbearing, twin frame high performance wall system that provides exceptionally high levels of sound insulation. It is used to separate multiple use facilities such as lecture theatres, music rooms, multi-screen cinemas, conference centres, and leisure centres.








- ① Gypframe 'C' Stud
- ② Gypframe GAB3 Acoustic Brace or Gypframe 99 FC 50 Fixing Channel

Key facts

- Exceptionally high levels of sound insulation
- Designed to satisfy sound insulation requirements for cinemas equipped with high performance sound systems
- Lightweight, compared to masonry alternatives
- Up to 120 minutes fire resistance
- Can provide fire protection to structural steel within the wall cavity
- Gypframe GAB3 Acoustic Brace provides a resilient brace to give optimum acoustic performance





Components

Gyproc board products





			Take-off quantities ¹
	Gyproc WallBoard² Thickness 12.5, 15mm Width 1200mm		200m ² per layer
	Gyproc FireLine² Thickness 12.5, 15mm Width 1200mm		200m ² per layer
	Gyproc SoundBloc² Thickness 12.5, 15mm Width 1200mm		200m ² per layer
	Gyproc Plank Thickness 19mm Width 600mm		200m ² per layer
	Gyproc DuraLine Thickness 15mm Width 1200mm		200m ² per layer




¹ Quantities are based on 100m² of straight partition boarded with a double layer of board each side. Quantities are approximate and for guidance only, no allowance has been made for waste, openings, abutments, etc.

Gypframe metal products

		Take-off quantities ¹
	Gypframe 92 S 10 'C' Studs Length 3600, 4200mm	335m
	Gypframe Standard Floor & Ceiling Channel 94 C 70 Gypframe Deep Flange Floor & Ceiling Channels 94 DC 60 Gypframe Extra Deep Flange Floor & Ceiling Channel 94 EDC 70 All channels are available in 3600mm only	Dependent on partition perimeter
	Gypframe 99 FC 50 Fixing Channel Length 2400mm	Where specified for bracing
	Gypframe 150 FC 90 Fixing Channel Length 1194mm	as required

² Moisture resistant boards are specified in intermittent wet use areas e.g. shower cubicles

Gypframe metal products		Take-off quantities †
	Gypframe GFS1 Fixing Strap Length 2400mm	as required
	Gypframe GA5 Internal Fixing Angle Length 3600mm	as required
	Gypframe GA6 Splayed Angle Length 2400, 3600mm	as required
	Gypframe GAB3 Acoustic Brace Length 459mm	Where specified for bracing

Fixing and finishing products		Take-off quantities †
	Gyproc Jack-Point Screws For fixing boards to stud framing 0.8mm thick or greater and 'I' studs greater than 0.55mm thick.	1 st layer - 1750 2 nd layer - 2250
	Gyproc Wafer Head Jack-Point Screws For metal-to-metal fixing 0.8mm thick or greater and 'I' studs greater than 0.55mm thick	as required
	Gyproc Sealant For sealing airpaths to achieve optimum sound insulation.	1 cartridge per 35m based on a 6 - 10mm bead
	Gyproc jointing materials For seamless jointing.	as required

Components

Fixing and finishing products



Gyproc edge beads

Protecting and enhancing board edges.

Take-off quantities¹

as required



Gyproc Control Joint

To accommodate structural movement.

as required



Gyproc FireStrip

For sealing deflection heads.

as required

¹ Quantities are based on 100m² of straight partition boarded with a double layer of board each side. Quantities are approximate and for guidance only, no allowance has been made for waste, openings, abutments, etc.

Fixing and finishing products



Thistle Multi-Finish or Thistle Board Finish

To provide a plaster skim finish.

or



Thistle Durafinish

To provide improved resistance to accidental damage.

or



Thistle Spray Finish

Gypsum finish plaster for spray or hand application.

Take-off quantities¹

10m² per
25kg bag

10m² per
25kg bag

11m² per
25kg bag



Isover General Purpose Roll

To achieve acoustic performance.

as required



Stone mineral wool

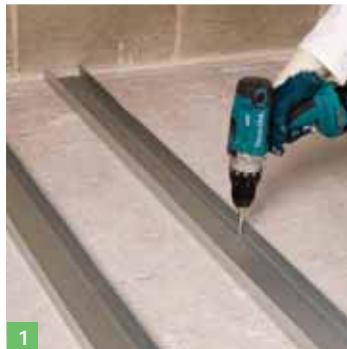
62kg/m³ slab.

as required

Construction tips

- The following points should be considered in addition to the construction tips for **GypWall CLASSIC**
- The estimated construction time is 0.5m² / man hour (nominal 6m high wall) ready for finishing
- Any openings will require careful detailing if the acoustic performance is to be maintained. Specialist heavy acoustic doorsets may require additional support. Contact British Gypsum for guidance

Installation



- Commence installing the first framework by fixing the Gypframe floor and ceiling channels, and studs to abutments, using suitable fixings. Insert two rows of staggered fixings at 600mm centres in each row, with the first fixing 50mm in from the channel end.
- For partition heights use the following head and floor channels: Up to 4.2m use Gypframe 94 C 70 Standard Floor & Ceiling Channels (subject to deflection head); Between 4.2m and 8m use Gypframe 94 DC 60 Deep Flange Floor & Ceiling Channels; Above 8m use Gypframe 94 EDC 70 Extra Deep Flange Floor & Ceiling Channels.



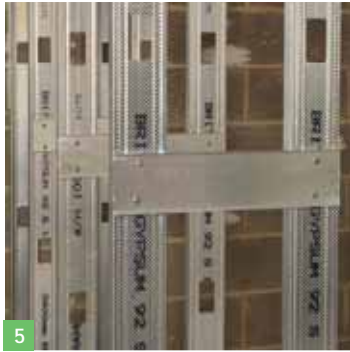
- Extend studs, if required, by splicing and locking together with a 600mm minimum nested overlap. Insert two Gyproc Wafer Head Jack-Point Screws through each flange.



- Install the second framework as the first, positioned to maintain the required overall wall thickness.



- Install Isover insulation or stone wool (as required) progressively as boarding proceeds.
- Isover insulation can be hung within the partition by trapping at the partition head using Gyframe Steel Angle.



- Brace the two frameworks together by fixing short lengths of Gyprframe 99 FC 50 Fixing Channel, evenly spaced at 3600mm maximum centres, inserting four Gyproc Wafer Head Jack-Point Screws to each stud position.



- Alternatively, where specified, fix Gyprframe GAB3 Acoustic Brace to optimise the acoustic isolation. Install Gyprframe Acoustic Braces at 3300mm maximum centres, staggered by minimum 1200mm. Insert two Gyproc Wafer Head Jack-Point Screws to each stud position.

NB The Gyprframe GAB3 Acoustic Brace may be cut using a hack saw or power tool. If required, the Gyprframe GAB3 Acoustic Brace can be extended by fixing a short length of Gyprframe 92 S 10 'C' Stud to one brace with 4 no. Gyproc Wafer Head Jack-Point Screws, ensure a 150mm minimum overlap. The short length of stud should also be fixed to the vertical studs with 4 no. Gyproc Wafer Head Jack-Point Screws.



- Apply Gyproc Sealant as a continuous bead to the perimeter of both frameworks, before boarding commences, to provide optimum acoustic performance.

Openings

- Construct openings so as to maintain the acoustic performance.
- Where specialist heavy acoustic doorsets are specified, these will require additional support. Contact British Gypsum for suitable detailing / guidance.



Board fixing

- Screw-fix boards to framing members at 300mm centres using Gyproc Jack-Point Screws. Reduce centres to 200mm at external angles. Under layer boards do not require centre fixings.



- Where Gyproc Plank is specified, fix horizontally to framing members using two screws to each stud, including each cut end. Half-stagger end joints in alternate courses.

