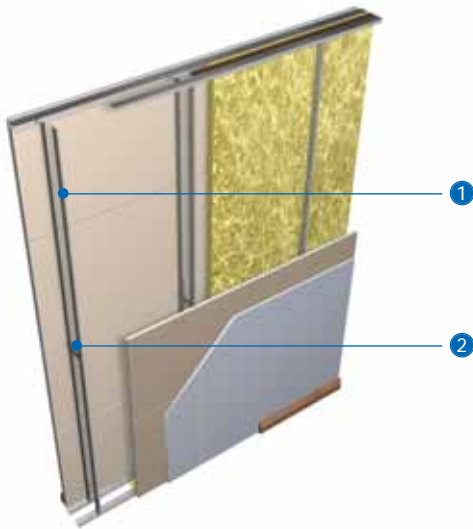


## Acoustic separating wall system

GypWall QUIET is a lightweight, non-loadbearing, twin-framed acoustic separating wall. Primarily used as sound resisting walls in residential units such as flats and apartments, to meet the requirements of national Building Regulations. The system can also be specified in commercial and industrial buildings to meet a specific standard of sound performance.








- 1 Gypframe 48 S 50 'C' Stud
- 2 Gypframe 99 FC 50 Fixing Channel cross brace

### Key facts

- 200mm width option provides sound insulation capable of meeting Building Regulations Approved Document E for sound insulation between dwellings
- Satisfies excess storey height requirements
- Accommodates services between the twin-stud frameworks
- Satisfies *BS 5234* strength and robustness requirements up to Severe Duty

## Components

### Gyproc board products

			Take-off quantities <sup>1</sup>
	<b>Gyproc Plank</b>		
	Thickness	19mm	200m <sup>2</sup> per layer
	Width	600mm	
	<b>Gyproc SoundBloc<sup>2</sup></b>		
	Thickness	12.5, 15mm	200m <sup>2</sup> per layer
	Width	1200mm	
	<b>Gyproc FireLine</b>		
	Thickness	15mm	200m <sup>2</sup> per layer
	Width	1200mm	

### Gypframe metal products











	<b>Gypframe Standard Floor &amp; Ceiling Channels 50 C 50</b>	dependent on partition length
	<b>Gypframe Deep Flange Floor &amp; Ceiling Channels 50 DC 60</b>	
	<b>Gypframe Extra Deep Flange Floor &amp; Ceiling Channels 50 EDC 70</b>	
	All channels are available in 3600mm only	

<sup>1</sup> Quantities for 100m<sup>2</sup> of straight partition 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 <sup>1</sup>
	<b>Gypframe 48 S 50 'C' Stud</b>		
	Length	2400, 2700, 3000 3300, 3600mm	335m
	<b>Gypframe GFS1 Fixing Strap</b>		
	Length	2400mm	as required
	<b>Gypframe 99 FC 50 Fixing Channel</b>		
	For cross braces		
	Length	2400mm	30m
	<b>Gypframe 150 FC 90 Fixing Channel</b>		
	Length	1194mm	as required
	<b>Gypframe GA5 Internal Fixing Angle</b>		
	Length	2400, 3600mm	as required

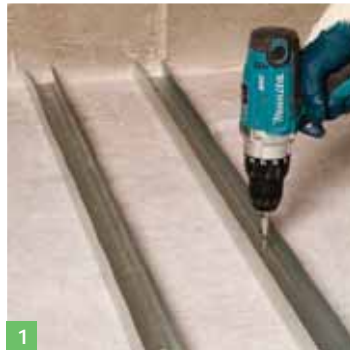
<sup>2</sup> Moisture resistant boards are specified in intermittent wet use areas e.g. shower cubicles.

Fixing and finishing products	Take-off quantities <sup>1</sup>	Fixing and finishing products	Take-off quantities <sup>1</sup>
 <p><b>Gyproc Wafer Head Drywall Screws</b> For metal-to-metal fixing up to 0.79mm thick.</p>	as required	 <p><b>Gyproc Control Joint</b> To accommodate structural movement.</p>	as required
 <p><b>Gyproc Drywall Screws</b> For fixing boards to stud framing up to 0.79mm thick.</p>	1 <sup>st</sup> layer - 1400 2 <sup>nd</sup> layer - 2250	 <p><b>Gyproc FireStrip</b> For fire-stopping deflection heads.</p>	as required
 <p><b>Gyproc Sealant</b> For sealing airpaths for optimum sound insulation.</p>	1 cartridge per 35m based on 6-10mm bead	 <p><b>Thistle Multi-Finish or Thistle Board Finish</b> To provide a plaster skim finish.</p>	10m <sup>2</sup> per 25kg bag
 <p><b>Gyproc jointing materials</b> For seamless jointing.</p>	as required	 <p><b>Thistle Spray Finish</b> Gypsum finish plaster for spray or hand application.</p>	11m <sup>2</sup> per 25kg bag
 <p><b>Gyproc edge beads</b> Protecting and enhancing board edges.</p>	as required	 <p><b>Isover APR 1200</b> For enhanced acoustic performance. 25mm, 50mm.</p>	100m <sup>2</sup>

## Construction tips

- The following points should be considered in addition to the construction tips for **GypWall CLASSIC**
- The estimated construction time is 1m<sup>2</sup>- 1.5m<sup>2</sup> / man hour ready for finishing
- The stud frameworks must be cross-braced using short lengths of Gyframe 99 FC 50 Fixing Channel
- Braces should be installed at mid-height for walls up to 2400mm, or at 1200mm maximum centres where this height is exceeded

## Installation



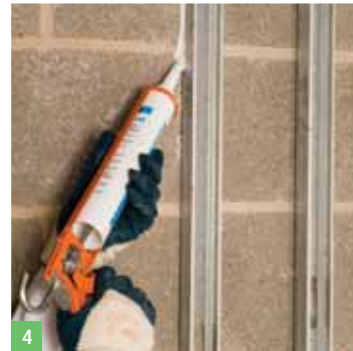
- Gyframe Floor & Ceiling Channel is fixed to the floor and soffit.
- Head and floor channels must be securely fixed with a row of fixings at 600mm maximum centres. If the floor is uneven a 38mm thick timber sole plate equal to the width of the channel should be used. If the concrete or screeded floor is new, consideration should be given to the installation of a damp proof membrane between the floor surface and the channel or sole plate.



- Gypframe 'C' Studs are fitted vertically to a friction-fit within the channel sections, and to abutments, to form the first framework. Where studs are used at heights greater than 4m, consider locking into the floor channels using a Gyproc Crimping Tool, or Gyproc Wafer Head Screws.



- The second framework is installed as the first, with stud frameworks spaced to achieve the specified wall thickness. Opposing Gypframe 'C' Studs are braced by fixing a short length of Gypframe 99 FC 50 Fixing Channel. Fix with two Gyproc Wafer Head Drywall Screws, two into each stud.



- Apply Gyproc Sealant to both sides of frame perimeter to provide optimum acoustic performance.



- Gypframe 99 FC 50 Fixing Channel braces are installed at mid-height for walls up to 2400mm, or at 1200mm maximum centres where this height is exceeded. Fix with two Gyproc Wafer Head Drywall Screws to each side (four in total).



- Boards are screw-fixed to all framing members to form the lining. Gyproc Plank is fixed horizontally to framing members, with two Gyproc Drywall Screws per stud, and end joints are half-staggered in alternate courses. Face lining boards are fixed vertically. Joints staggered with the in-situ Gyproc Plank. Horizontal board end joints, of the outer layer, should be staggered by a nominal 300mm and be backed with Gypframe GFS1 Fixing Strap, and fixed at 300mm centres.

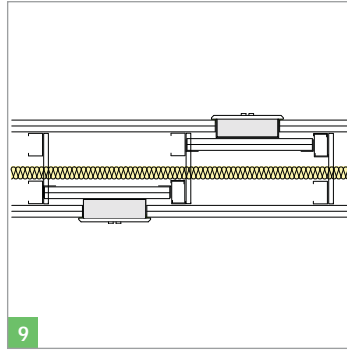


- Install Isover insulation (as required) progressively as boarding proceeds.
- Isover insulation can be hung within the partition by trapping at the partition head using Gypframe Steel Angle.



### Services

- Install services (by appropriate trades), normally after one side is boarded. Pass horizontal runs through cut-outs in the studs.
- Install Gypframe 99 FC 50 Fixing Channel or Gypframe Floor & Ceiling Channel between studs to provide support for recessed switch boxes or use a high performance socket box detail.



- Fix Gypframe GA1 Steel Angle to web of metal studs with two Gyproc Wafer Head Screws. The face layer of pattress to be equal in specification to face layer of partition boarding.

- The second layer of board forming pattress to be equal in specification to face layer of partition board or, alternatively, an equal thickness of ply if preferred. The boards are screw-fixed to the Gypframe GA1 Steel Angle with Gyproc Drywall Screws.





- Alternatively, Hilti CP617 Putty Pads can be used, contact Hilti for full details. Telephone: 0800 886100.
- All performance substantiation has to be provided by the fire-stopping manufacturer as is the case for any fire-stopping material.



### Fixtures

- Additional framing is installed as required to support fixtures. For light to medium fixtures Gypframe 99 FC 50 Fixing Channel can be used. Install Gypframe 150 FC 90 Fixing Channels to accommodate heavyweight fixtures. If a plywood pattress is required, Gypframe Service Support Plates should be used.

