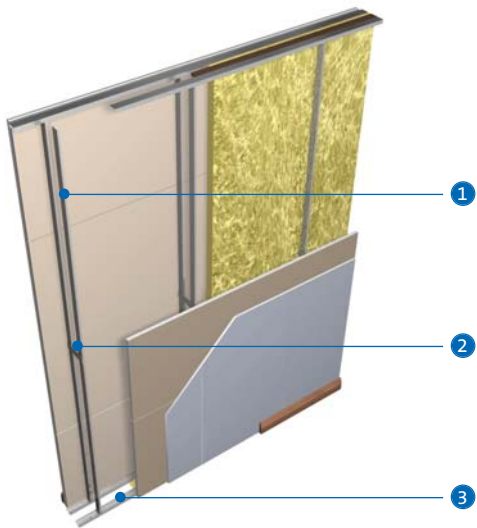


GypWall™ QUIET

Acoustic separating wall system

GypWall™ QUIET is a lightweight, non-loadbearing, twin-framed wall system. **Subject to Local Authority approval**, it can be used as a sound resisting wall between 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 insulating performance.





- 1 Gyframe 48 S 50 'C' Stud
- 2 Gyframe 99 FC 50 Fixing Channel cross brace
- 3 Gyframe 50 C 50 Floor and Ceiling Channel

Key facts

- Subject to Local Authority approval, **Gypwall QUIET**, can be used to meet National Building requirements for sound resisting 'party' walls.
- Can achieve up to 120 minutes fire resistance
- Satisfies *BS 5234* strength and robustness requirements up to Severe Duty

Components

Gyproc board products



Gyproc Plank

Thickness	19mm
Width	600mm



Gyproc SoundBloc

Thickness	12.5, 15mm
Width	1200mm



Gyproc DuraLine

Thickness	13.5, 15mm
Width	1200mm

Gypframe metal products



Gypframe Standard Floor & Ceiling Channels 50 C 50

Gypframe Deep Flange Floor & Ceiling Channels 50 DC 60

Gypframe Extra Deep Flange Floor & Ceiling Channels 50 EDC 70

Gypframe metal products



Gypframe 48 S 50 'C' Stud



Gypframe GF51 Fixing Strap



Gypframe 99 FC 50 Fixing Channel

For cross braces



Gypframe GA5 Internal Fixing Angle

Fixing and finishing products



Gyproc Wafer Head Drywall Screws
For metal-to-metal fixing up to 0.79mm thick.



Gyproc Drywall Screws
For fixing boards to stud framing up to 0.79mm thick.



Gyproc Sealant
For sealing airpaths for optimum sound insulation.



Gyproc jointing materials
For seamless jointing.



Gyproc edge beads
Protecting and enhancing board edges.

Fixing and finishing products



Gyproc Control Joint
To accommodate structural movement.



Gyproc FireStrip
For fire-stopping deflection heads.



Gyproc Skimcoat, Gyproc Carlite Finish or Gyproc Board Finish
Providing a plaster finish.

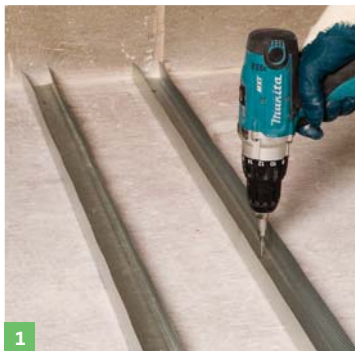


Moy Acoustic Roll
For enhanced acoustic performance.

Construction tips

- The following points should be considered in addition to the construction tips for **GypWall™**
- The estimated construction time is 1m² - 1.5m² / man hour ready for finishing
- The stud frameworks must be cross-braced using short lengths of Gypframe 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



- Determine and mark the wall position and make allowances for openings.
- Fix two rows of Gypframe Floor and Ceiling Channel at 600mm centres along the centre line of each channel to the floor and ceiling to create the required nominal overall thickness, using suitable fixings (by others).
- On uneven floors, timber sole plates 38mm deep x 50mm wide, may be required.

- On new concrete or screeding, consider installing a damp proof membrane to the underside of the channels or sole plate.

NB Channel depths at the partition head may need increasing where deflection head detailing is required.

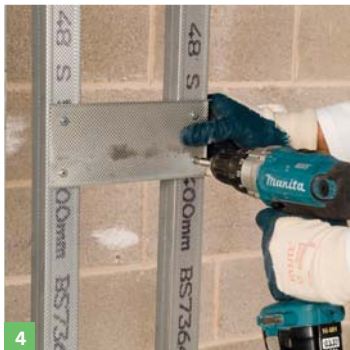


- Cut stud lengths to a neat fit (maximum possible entry into head channel), unless deflection head detailing is required.
- Locate first stud, twist into position and fix to the abutting wall with suitable fixings (by others) at 600mm centres.
- Locate further studs at required centres (typically 600mm) to a friction fit within the channel sections - this allows for adjustment during boarding.



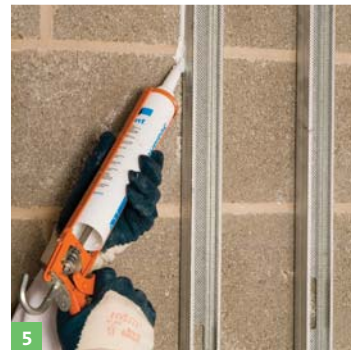
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- For partition heights greater than 4m, fix studs into the floor channels using a Gyproc Crimping Tool, or Gyproc Wafer Head Screws.
 - The second framework is installed as the first, with stud frameworks spaced to achieve the specified wall thickness.
- NB** Cut studs to size using a chop saw, hacksaw or snips.



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- Opposing Gyproframe 'C' Studs are braced by fixing a short length of Gyproframe 99 FC 50 Fixing Channel. Fix with two Gyproc Wafer Head Drywall Screws, two into each stud.
- Braces are installed at mid-height for walls up to 2400mm, or at 1200mm maximum centres where this height is exceeded.



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



Board fixing

- Fix boards to the outside faces of all framing members using appropriate length Gyproc screws.
- Inner layer of Gyproc Plank is fixed horizontally to framing members with two Gyproc Drywall Screws per stud, and end joints of board are half staggered in alternative courses.
- Outer face layer boards are fixed vertically. Vertical joints are staggered with the in-situ layer of Gyproc Plank by a minimum of one stud centre.

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Horizontal joint support

- Where the partition height exceeds the outer board length install Gypframe GFS1 Fixing Strap behind horizontal board end joints.
- Fix boards progressively to supports using Gyproc Drywall Screws of appropriate length.

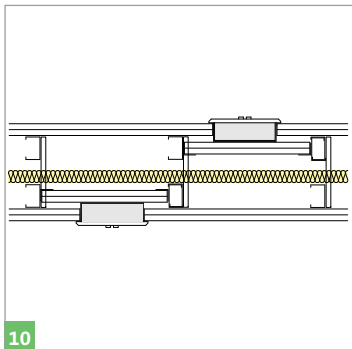


- Install Moy Isover insulation progressively as boarding proceeds.
- Moy Isover insulation can be hung within the partition by trapping at the partition head using Gypframe Steel Angle.



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 patress to be equal in specification to face layer of partition boarding.
- The second layer of board forming patress 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.



Fixtures

- Install Gypframe 99 FC 50 Fixing Channel to accommodate light and medium weight fixtures.
- Additional framing to provide suitable grounds for fixings and to transfer loadings, is required for heavier fixtures.
- Alternatively, Gypframe Service Support Plates may be used.

