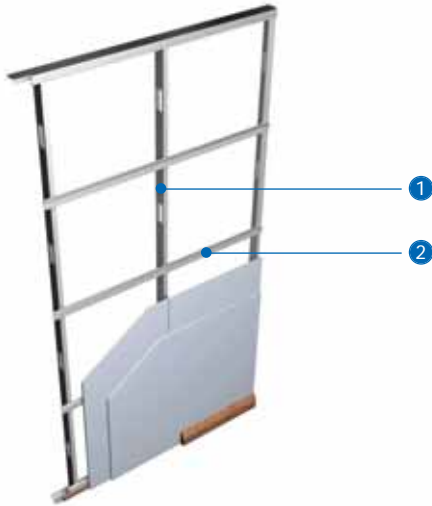


GypWall QUIET SF

Single frame acoustic separating wall system

GypWall QUIET SF is a non-loadbearing partition which provides very high levels of sound insulation and is capable of exceeding national Building Regulations Part E separating wall standards. The partition is specified in many types of buildings, both new-build and refurbishment.





- ① Gypframe 'C' Stud
- ② Gypframe RB1 Resilient Bar

Key facts

- Single stud framework, maximising available floor space
- Resilient bars provide acoustic separation
- Sound insulation up to R_w 65dB to meet separating wall requirements
- Satisfies *BS 5234* strength and robustness requirements for Severe Duty
- 60 - 120 minutes fire resistance
- Accommodates services within stud cavity
- Durable, high performance Gyproc linings

Components

Gyproc board products

			Take-off quantities ¹
	Gyproc WallBoard² 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 DuraLine² Thickness 15mm Width 1200mm		200m ² per layer
	Gyproc FireLine² Thickness 15mm Width 1200mm		200m ² per layer

¹ Quantities are based on 100m² 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. Refer to Section 11 – Quantity take-off details.

Gypframe metal products

			Take-off quantities ¹
	Gypframe 70 S 50 'C' Stud Length 2400, 2700, 3000 3600, 4200mm		167m
	Gypframe 92 S 50 'C' Stud Length 3600, 4200mm		167m
	Gypframe 146 S 50 'C' Stud Length 3000, 3600, 4200mm		167m
	Gypframe Standard Floor & Ceiling Channels 72 C 50 94 C 70 148 C 70 All channels are available in 3600mm only.		Dependent on partition length

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

Gypframe metal products (cont'd)		Take-off quantities †
	Gypframe 99 FC 50 Fixing Channel Length 2400mm	as required
	Gypframe 150 FC 90 Fixing Channel Length 1194mm	as required
	Gypframe RB1 Resilient Bar Length 3000mm	210m per side
	Gypframe GFS1 Fixing Strap Length 2400mm	as required

Fixing and finishing products		Take-off quantities †
	Gyproc Drywall Screws For fixing boards to stud framing up to 0.79mm thick.	1 st layer - 1700 2 nd layer - 2200
	Gyproc Wafer Head Drywall Screws For metal-to-metal fixing up to 0.79mm thick.	as required
	Gyproc Sealant For sealing airpaths for optimum sound insulation.	1 cartridge per 35m based on 6 - 10mm bead
	Gyproc jointing materials For seamless jointing.	as required
	Gyproc edge beads Protecting and enhancing board edges.	as required

Components

Fixing and finishing products



Gyproc Control Joint

To accommodate structural movement.

Take-off quantities[†]

as required



Gyproc FireStrip

For fire-stopping deflection heads.

as required



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.

10m² per
25kg bag

10m² per
25kg bag

11m² per
25kg bag

Fixing and finishing products



Isover APR 1200

For enhanced acoustic performance.
25, 50mm.

Take-off quantities[†]

100m²

[†] Quantities are based on 100m² 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. Refer to Section 11 – Quantity take-off details.

Construction tips

- The following points should be considered in addition to the construction tips for **GypWall CLASSIC**
- The estimated construction time is 1m² - 1.5m² / man hour ready for finishing
- Gypframe RB1 Resilient Bar noggings must be used at perimeters and doors to maintain screw-fixing centres
- Select correct length screws to eliminate contact with metal studs when board fixing to Gypframe RB1 Resilient Bar
- Gypframe RB1 Resilient Bar may be fixed to one or both sides, as specified

Installation



- Gypframe Floor & Ceiling Channel is fixed to the floor and soffit.

Fixing floor and ceiling channels

- Floor channels must be securely fixed with a line of fixings at 600mm maximum centres. With 94mm and 148mm channels, staggered fixings are required, each line at 600mm centres and each fixing 25mm in from the flange. 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.

- Head channels must be securely fixed at 600mm maximum centres. With 94mm and 148mm channel, staggered fixings are required, each line at 600mm centres and each fixing 25mm in from the flange.



- Gypframe 'C' Studs are fitted vertically at 600mm centres to a friction-fit within the channel sections, and to abutments, to form the framework.



- Gypframe RB1 Resilient Bars are fixed horizontally to the stud framing at 600mm centres. Bars are joined by nesting them together over a stud, with the base flange fixed to the stud. The bars are normally fixed with the base flange on the top side, with the exception of the uppermost bar which is fixed base flange down to provide board fixing at the partition head.



- Noggings of Gypframe RB1 Resilient Bars are fixed vertically to studs between horizontal bars at perimeters and doors.
- Any openings must be constructed with care so as to minimise loss of the acoustic performance. Specialist acoustic door sets may be required.

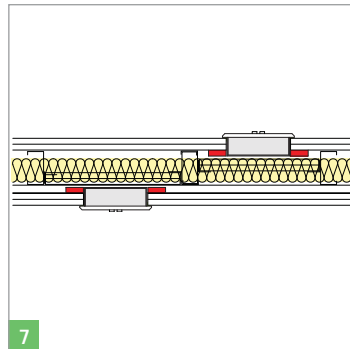


- Both layers of boards are fixed vertically to the Gyframe RB1 Resilient Bars with joints staggered. Where Gyproc Plank is required as an inner layer fixed to the resilient bar, it is positioned vertically and fixed across its width at each bar position with two Gyproc Drywall Screws. Other boards, inner and outer, are fully fixed to all framing members at 300mm centres.
- Board joints to be staggered between Gyproc Plank and Gyproc SoundBloc by nominal 300mm.



Services

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



- Fix Gyframe 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 plywood if preferred. The boards are screw-fixed to the Gyframe 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, Gyframe 99 FC 50 Fixing Channel can be used. Install Gyframe 150 FC 90 Fixing Channels to accommodate heavyweight fixtures. If a plywood pattress is required, Gyframe Service Support Plates should be used. These are solutions for the non-Gyframe RB1 Resilient Bar side only.



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