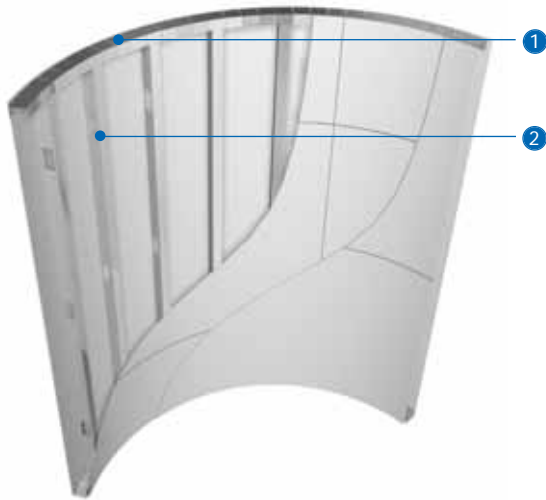


Curved partition system

GypWall CURVE is lightweight, non-loadbearing and easily assembled on site. It provides a highly cost-effective way of forming curved walls and linings. The system can be installed in all types of buildings to achieve the radii required by the designer. Boards do not require pre-wetting and there is no requirement for curved timber templates.







- 1 Gypframe 72 EDCL 80 CurveLiner Channel
- 2 Gypframe 70mm 'C' Stud or Gypframe 70mm 'I' Stud

Key facts

- Concave or convex curvature
- Minimum radii 600mm
- Uniquely designed channel can be quickly and easily bent to radius
- No requirement for pre-wetting boards
- No need for curved timber templates
- Choice of linings to suit performance requirements and to maintain continuity
- Boards can be jointed or skimmed in the normal way




Components

Gyproc and Glasroc board products

			Take-off quantities ¹
	Gyproc WallBoard² Thickness 9.5, 12.5, 15mm Width 1200mm		200m ² per layer
	Gyproc SoundBloc² Thickness 12.5, 15mm Width 1200mm		200m ² per layer
	Gyproc FireLine² Thickness 12.5, 15mm Width 1200mm		200m ² per layer
	Gyproc DuraLine³ Thickness 15mm Width 1200mm		200m ² per layer
	Glasroc MultiBoard³ Thickness 6, 10, 12.5mm Width 1200mm		200m ² per layer





¹ Quantities are for 100m² of partition run, boarded with a double layer of board each side, with studs at 300mm centres. 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 'C' Studs Width 70mm Length 2400 - 4200mm Codes 70 S 50, 70 S 60	335m
	Gypframe 'I' Studs Width 70mm Length 3600 and 4200mm Codes 70 I 50, 70 I 70	335m
	Gypframe CurveLiner Channel Width 72mm Length 2000mm Code 72 EDCL 80	Dependent on length of partition

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

³ 6mm Glasroc MultiBoard is recommended for most curved partition applications.

Fixing and finishing products		Take-off quantities †
	Gyproc Drywall Screws For fixing boards to stud framing up to 0.79mm thick.	1 st layer - 3750 2 nd layer - 3750
	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 - 3750 2 nd layer - 3750
	Gyproc Wafer Head Jack-Point Screws For metal-to-metal fixing 0.8mm thick or greater.	as required
	Gyproc Sealant For sealing airpaths for optimum sound insulation.	1 cartridge per 35m based on 6-10mm bead

Fixing and finishing products		Take-off quantities †
	Gyproc Drywall Primer Used to prepare for painting. Tub contents 10 litre	20 litres where specified
or		
	Gyproc Drywall Sealer Used to provide vapour control. Tub contents 10 litre	30 litres where specified
	Gyproc jointing materials For seamless jointing.	as required
	Thistle Board Finish or Thistle Multi-Finish To provide a plaster skim finish.	10m ² per 25kg bag
or		
	Thistle Durafinish To provide improved resistance to accidental damage.	10m ² per 25kg bag

Table 1

Board type	Thickness mm	Minimum radius ¹ mm	Stud centres ² mm
Glasroc MultiBoard	6	600	300
	10	2500	300
	12 (2 x 6)	600	300
	12.5	2700	300
Gyproc WallBoard	9.5	1800	300
	12.5	3600	300
	15	4800	300
Gyproc FireLine	12.5	4800	300
	15	5700	400
Gyproc SoundBloc	12.5	2900	300
	15	3600	300
Gyproc DuraLine	15	5700	400

¹ Concave or convex.

² For any radius 7m or more, studs can be installed at 600mm centres irrespective of board type.

Construction tips

- The following points should be considered in addition to the construction tips for **GypWall CLASSIC**
- Estimated construction time $2\text{m}^2 - 3\text{m}^2$ / man hour (single layer partition) or $1.5\text{m}^2 - 2\text{m}^2$ / man hour (double layer partition) ready for finishing
- Avoid positioning board joints on the exposed board layers on the apex of a convex curve. The positioning of all studs, therefore, needs to be determined at the design stage
- Where straight sections occur on runs of curved partitions or linings, stud centres can be increased to 600mm, once 600mm off the curve
- In common with other sheet materials, board ends have a tendency to remain straight, and so the minimum radius will be influenced by the board characteristics, the length of curve, the support centres, and the occurrence of board joints

Installation



Install **GypWall CURVE** partitions as per **GypWall CLASSIC** with the following exceptions.

- Mark lines on the floor and soffit to the curvature required.



- At the floor and soffit, form continuous channel from Gypframe 72 EDCL 80 CurveLiner Channel.
- Bend each section to the curvature line and fix through to the structure in two lines at 300mm centres in each line using appropriate fixings.



- Locate 70mm Gypframe metal studs into the Gypframe 72 EDCL 80 CurveLiner Channel at 300mm centres. Crimp each stud into the channel at the head and base or fix with Gyproc Wafer Head Jack-Point Screws.
- NB** Where a deflection head is required, adopt the principles shown in section 5 – GypWall CLASSIC and GypWall ROBUST.



Board fixing - single layer

- Fix boards horizontally. Stagger board joints and avoid joints occurring on the apex of a convex curve otherwise problems may be encountered when finishing.
- Insert Gyproc Drywall Screws at 300mm centres in the field of the board and 150mm centres at board ends.

Board fixing - double layer

- Fix the inner layer board horizontally to all supports at 300mm centres in the field of the board and 150mm centres at board ends. All joints should be staggered.
- Fix outer layer boards horizontally at 300mm centres in the field of the board and 150mm centres at board ends, with joints staggered in relation to the first layer.
- Avoid board joints occurring on the apex of a convex curve in the outer layer.

NB Additional studs may be required where multiple layers are specified to account for the difference which arises between the inner and outer radii.