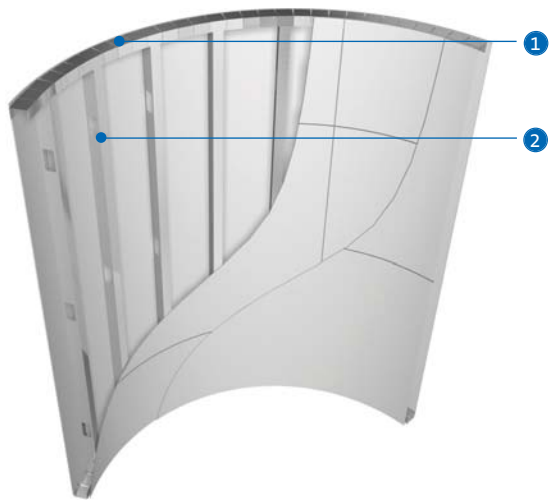


## Curved partition system

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 Gyframe 72 EDCL 80 CurveLiner Channel
- 2 Gyframe 70mm 'C' Stud or Gyframe 70mm 'T' Stud

### Key facts

- Concave or convex curvature
- Radii down to 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



#### Gyproc WallBoard<sup>1</sup>

Thickness 9.5, 12.5, 15mm  
Width 1200mm



#### Gyproc SoundBloc<sup>1</sup>

Thickness 12.5, 15mm  
Width 1200mm



#### Gyproc FireLine<sup>1</sup>

Thickness 12.5, 15mm  
Width 1200mm



#### Gyproc DuraLine

Thickness 13.5, 15mm  
Width 1200mm



#### Glasroc MultiBoard<sup>2</sup>

Thickness 6, 10, 12.5mm  
Width 1200mm

<sup>1</sup> Moisture resistant boards are specified in intermittent wet use areas e.g. shower areas, bathrooms and kitchens

### Gypframe metal products



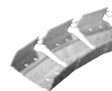
#### Gypframe 'C' Studs

Codes 70 S 50, 70 S 60



#### Gypframe 'I' Studs

Codes 70 I 50, 70 I 70



#### Gypframe CurveLiner Channel

Code 72 EDCL 80



#### Gypframe GFS1 Fixing Strap

<sup>2</sup> 6mm Glasroc MultiBoard is recommended for most curved partition applications.

### Fixing and finishing products

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#### Gyproc Drywall Screws

For fixing boards to stud framing up to 0.79mm thick.

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#### Gyproc Jack-Point Screws

For fixing boards to stud framing 0.8mm thick or greater and T studs greater than 0.55mm thick.

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#### Gyproc Wafer Head Jack-Point Screws

For metal-to-metal fixing 0.8mm thick or greater.

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#### Gyproc Sealant

For sealing airpaths for optimum sound insulation.

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### Fixing and finishing products

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#### Gyproc Drywall Primer

Used to prepare for painting.  
Tub contents 10 litre

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OR



#### Gyproc Drywall Sealer

Used to provide vapour control.  
Tub contents 10 litre

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#### Gyproc jointing materials

For seamless jointing.

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#### Gyproc Skimcoat, Gyproc Carlite Finish or Gyproc Board Finish

Providing a plaster skim finish.

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#### Moy Acoustic Roll

For enhanced acoustic performance.

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Table 1 - Minimum bending radii and stud centres

Board type	Thickness mm	Minimum radius <sup>1</sup> mm	Stud centres <sup>2</sup> 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	13.5	4800	300
	15	5700	400

<sup>1</sup> Concave or convex.

<sup>2</sup> 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™
- 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
- 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

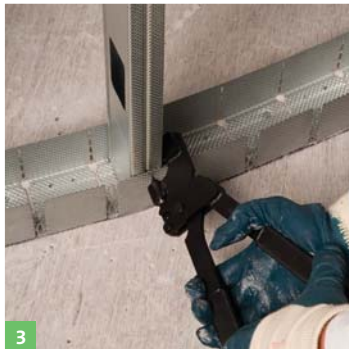


Install GypWall™ **CURVE** partitions as per GypWall™ with the following exceptions.

- 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 (by others).



- Locate 70mm Gypframe metal studs into the Gypframe 72 EDCL 80 CurveLiner Channel at required 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™ 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.
- 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.