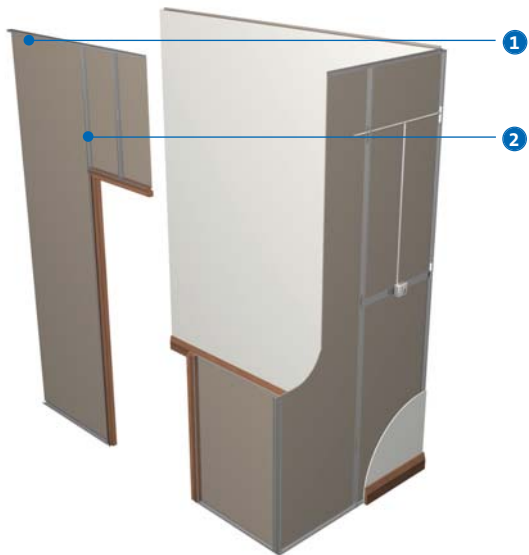


## The ultimate impact resistant partition

GypWall **EXTREME** is Gypsum Industries' ultimate impact resistant partition system for use where even 'severe duty' won't suffice. It is erected on site to provide a lightweight, cost effective, non-loadbearing partition suitable for areas subject to intensive high traffic.

GypWall **EXTREME** is fully compatible with GypWall **ROBUST** and other Gypsum Industries systems. In addition, in double-boarded systems, Gyproc Rigidur is specified as the face layer board only, allowing significant savings on both material cost and installation cost. There is thus the opportunity to design the most cost effective construction, rather than relying on the use of fiberboards throughout the entire project.





- 1 Gyprock Deep Flange (DC) or Extra Deep Flange (EDC)  
Floor & Ceiling Channel
- 2 Gyprock studs (Acoustuds or minimum 0.6mm gauge 'C' studs)

### Key facts

- Range of stud options to match performance requirements
- Acoustic stud option for enhanced acoustic performance
- Can achieve high levels of sound insulation
- Can achieve up to 60 minutes fire resistance
- Exceeds BS 5234 strength and robustness requirements for Severe Duty
- Easily accommodates services within stud cavity
- Can allow for deflection at the head
- Gyprock metal framework will not twist, warp or rot
- Loads of up to 55kg can be supported directly from the Gyprock Rigidur board without the need for additional grounds

## Components

### Gyproc board products



#### Gyproc Rigidur

Thickness	12.5, 15mm
Width	1200mm



#### Gyproc WallBoard

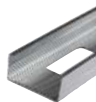
Thickness	12.5mm
Width	1200mm



#### Gyproc SoundBloc

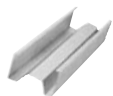
Thickness	12.5mm
Width	1200mm

### Gypframe metal products



#### Gypframe 'C' Studs

Codes 70 S 60



#### Gypframe AcouStud

Codes 70 AS 50 and 146 AS 50



#### Gypframe Deep Flange Floor & Ceiling Channels

72 DC 60, 148 DC 60

#### Gypframe Extra Deep Flange Floor & Ceiling Channels

72 EDC 80, 148 EDC 80

### Gypframe metal products

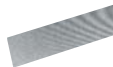
---



**Gypframe GFS1 Fixing Strap**



**Gypframe GFT1 Fixing 'T'**



**Gypframe 99 FC 50 Fixing Channel**



**Gypframe GA5 Internal Fixing Angle**



**Gypframe GA6 Splayed Angle**

---

### Fixing and finishing products

---



**Gyproc Rigidur Screws**

For fixing Glasroc Rigidur board to stud framing sections up to 0.79mm thick.



**Gyproc Jack-Point Screws**

For fixing boards to stud framing 0.8mm thick or greater and 'T' studs greater than 0.5mm thick.



**Gyproc Wafer Head Drywall Screws**

For metal-to-metal fixing up to 0.79mm thick.

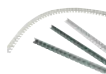
---

---

### Fixing and finishing products

**Gyproc Sealant**

For sealing airpaths for optimum sound insulation.

**Gyproc edge beads**

Protecting and enhancing board edges.

**Gyproc Control Joint**

To accommodate structural movement.

**Gyproc FireStrip**

For sealing deflection heads.

**Gyproc jointing materials**

For a seamless finish.

---

### Fixing and finishing products

**Gyproc Skimcoat, Gyproc Carlite Finish or Gyproc Board Finish**

Providing a plaster finish.

**Moy Acoustic Roll**

For enhanced acoustic performance.

**Moy Isover Ultimate Piano Plus**

For specific performance requirements.

**Gyproc Drywall Primer**

Used to prepare for painting.

Tub contents 10 litre

OR

**Gyproc Drywall Sealer**

Used to provide vapour control.

Tub contents 10 litre

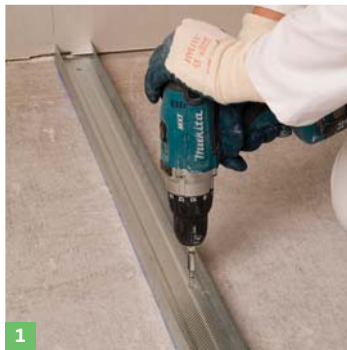
---

## Construction tips

- Use full height boards wherever possible - if horizontal joints are unavoidable, endeavour to position them above the suspended ceiling or below access floor level. Avoid eyeline and strong wall lighting areas
- Fixtures / fittings - additional framing will be required to support heavyweight items (e.g. sanitary ware)
- Support horizontal joints with Gypframe GFS1 Fixing Strap, Gypframe 99 FC 50 Fixing Channel, or Gypframe GFT1 Fixing 'T' (where specified)
- A minimum gauge of 0.6mm Gypframe 'C' Studs or 0.5mm Gypframe AcouStuds should be specified
- Install Gyproc Control Joints as required
- Incorporate deflection heads as required
- Consider skirting fixing - mechanical or using Gyproc Sealant
- If doorsets are fixed at a later stage allow a 10mm overall tolerance in width, 5mm in height
- Consider the reduced waste door detailing as set out in the installation guidance

## Installation

GypWall **EXTREME** systems are installed using the same installation instructions as GypWall™ and GypWall™ **ROBUST**, but with the following exceptions.



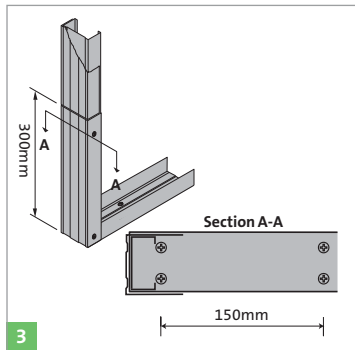
1

- Fix 72DC60 or 72EDC80 Gypframe Floor and Ceiling Channels along their centre line to the floor and ceilings at 600mm centres with suitable fixings (by others).
- 148DC60 and 148EDC80 Gypframe Floor and Ceiling Channels require two rows of staggered fixings, each at 600mm centres, each row staggered by 300mm.



2

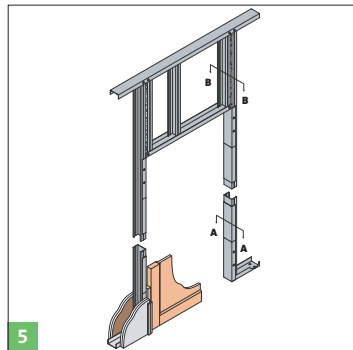
- Locate Gypframe 'C' Studs (even where Gypframe AcouStuds have been specified), twist into position and fix to the abutting wall or partition with suitable fixings (by others)
- Locate further Gypframe 'C' Studs or Gypframe AcouStuds at required centres (typically 600mm) to a friction fit within the channel sections.



### Door openings (reduced waste option)

**NB** Door frame detail to satisfy Severe Duty BS5234: Parts 1&2:1992 at 60kg.

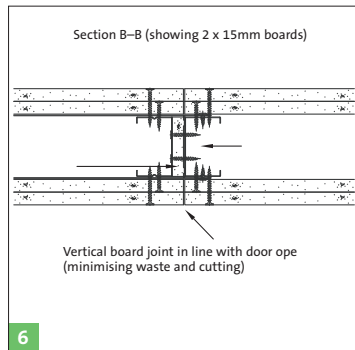
- Locate full height studs each side of the door opening.
- Allow for 300mm extension of floor channel. This is then cut, bent, and interleaved as shown in section A-A.



- At the head, cut and bend channel to extend 150mm down the face of the studs, and fix twice to each side of each stud.
- Sleeve the studs either side of the door opening with an additional cut length of Gyproframe Floor & Ceiling channel, stopping between upturned floor channel and downturned door head channel.

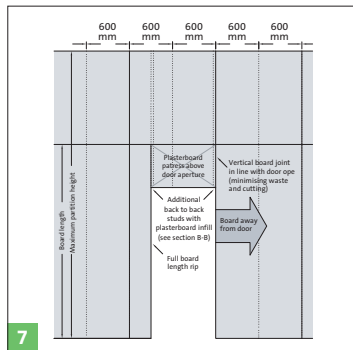
- Above door aperture directly to the inside and against adjacent studs of the door opening, install additional lengths of stud with Gyproc Rigidur pattresses.





- Both additional stud and Rigidur strip are to be screw fixed with Cyproc DryWall Screws at 300mm centres, back to back with full height stud door.

**NB** Rigidur board of the same thickness as face layer of partition to be used between the back to back studs.



- Plasterboard cut around door opening can be sized to align with door edges, reducing waste.



### Board fixing - single layer

- Fix Rigidur boards from the bottom of the partition upwards using 40mm Rigidur Screws.
- Fix board at 300mm centres around the perimeter of the board and along the intermediate stud.
- Locate screws at least 13mm from the edge of the board.



#### Board fixing - multi-layer

- Inner layer boards require fixings at 300mm centres around the perimeter and intermediate stud fixings at 600mm centres.
- Cut and fix the initial second layer board as appropriate so that subsequent vertical board joints are staggered by a minimum of one stud centre.

Select appropriate screw length to provide a nominal 10mm penetration into the Gyproframe steel framing.

- Fix face layer Rigidur boards with 40mm Rigidur Screws at 300mm centres around the perimeter of the board and along the intermediate stud.
- Locate screws at least 13mm from the edge of the board.

#### Board fixing - general notes

- Due to the high density of Gyproc Rigidur boards, some burring around screw heads can be expected. Additional time should be allowed for cleaning off.
- Due to the length of Gyproc Rigidur screws, care must be taken when fixing in close proximity to services.