Metal components

Precision engineered for durable framework

METAL COMPONENTS

Gypframe metal stands for quality, strength and durability through a range of components that provide the backbone for our tested and warranted wall, ceiling, lining and encasement systems.

The unique manufacturing process, including the patented UltraSteel™ double helix work hardening process[1], means that Gypframe metal components are precision engineered for premium quality and allow enhanced screw fixing and retention. All Gypframe metal components are available with standard Zinc coating of Z140 and are available in Z275 upon request.

Standards

All Gypframe components are rigourously tested to internationally recognised product standards and conform to:

- BS EN 14195: 2014
- BS EN 10162: 2003
- ASTM C645-18

Benefits of Gypframe

- Zinc coated for corrosion resistance
- Rigidised for extra strength
- Customized length for limited waste
- Interlocking studs design for quick installation
- Improved resistance to screw pull-out

INDEX

[1]Except GA3 Steel Angle, GA4 Steel Angle, 100 S 80 Starter Channel, Fixing Channels and Service Support Plate which are produced in plain metal to fit for purpose.

Bespoke Gypframe

Gyproc offers a comprehensive bespoke service for the Gyproc plasterboard and Gypframe metal product ranges. Whether you require a non-standard length, alternative gauge or other specification change, we'll try to provide you with the best solution for your project. Specifying bespoke metal lengths can speed up construction as there is no need to trim them to the correct length, and will save waste on site, helping with site safety and cost reduction.

Gypframe reference codes and abbreviations

To understand a Gypframe metal product, follow these simple steps:

Step 1
The first 2 or 3 digits refer to the component width

Step 2
The letter refers to the product type i.e.,
S = Stud, C = Channel

Step 3
The last two digits indicate the metal thickness or gauge in mm i.e., 0.50mm

See example below:

70 I 70		
Component width in mm	**Component type**	**Stud gauge**
Example = **70mm**	Example = **'I' Stud**	Example = **0.70mm**

Key	Gypframe Component	Flange Dimension
S	'C' Stud	One flange = 32mm / Other flange = 34mm
AS	AcouStud	One flange = 41mm / Other flange = 44mm
I	'I' Stud	38mm
C	Floor and Ceiling Channel	25mm
DC	Deep Flange Floor and Ceiling Channel	50mm
EDC	Extra Deep Flange Floor and Ceiling Channel	70mm
SC	ShaftWall Starter Channel	30mm
RC	ShaftWall Retaining Channel	15mm
MF5	Furring Channel	69mm x 22mm
MF7	Main Channel	38mm x 12.5mm
GA1	Wall Angle	25mm x 25mm
GL1	GypLyner Component	38mm x 12.5mm
GLB	GypLyner Bracket	85mm and 135mm
FC	Fixing Channel	9mm
GFS1	Fixing Strap	70mm

Gypframe® 'C' Studs

Used as the vertical support in wall framing. A range of widths, lengths and thicknesses depending on requirements for strength, height, impact resistance and sound insulation. Manufactured using patented, UltraSteel™ technology giving a rigidised surface for additional strength. Service cut-outs are also placed along the web of Gypframe 'C' Studs providing easy routing of services through the partition.

Component[1]	Length (mm)[2]
50 S 50	3000
70 S 50	3000
92 S 50	3000
100 S 50	3000
150 S 50	3000

[1] Also available in increased gauge upto 0.9mm with increments of 0.1mm.
92mm "C" Stud is also available in 1.0mm gauge thickness
[2] Bespoke lengths available on request

Gypframe® 'AS' AcouStuds

These unique shaped studs are used for increased acoustic performance. The innovative patented profile reduces sound energy as it passes through the partition. Gypframe AcouStuds are available in both 70mm and 92mm sizes and can upgrade the acoustic performance of your partition without using insulation. The Gypframe AcouStud design includes sight lines for both board alignment and added profile strength. Gypframe AcouStuds also have wider flange widths than Gypframe 'C' Studs, providing increased board fixing area.

Component	Length (mm)[1]
70 AS 50	3000
92 AS 50	3000

[1] Bespoke lengths available on request

Gypframe® 'I' Studs

These studs are the strongest available in the Gypframe range. They allow for increased partition height, without increasing the partition width, and provide improved impact resistance. Commonly used in ShaftWall, Gyplyner IWL and other GypWall systems. Service cut-outs are also spaced along the spine of the Gypframe 'I' Stud, providing easy routing of services through a partition.

Component[1]	Length (mm)[2]
70 I 70	3000
100 I 80	3000
150 I 90	3000

[1] Also available in increased gauge upto 0.9mm with increments of 0.1mm
[2] Bespoke lengths available on request

GYPFRAME CHANNELS

Gypframe® Standard Channels

Gypframe channels are used for securing Gypframe 'C' Studs at floor and ceiling junctions. Gypframe Channels (C) are used for partition heights of up to 4200mm.

Component[1]	Length (mm)[2]
52 C 50	3000
72 C 50	3000
94 C 50	3000
102 C 50	3000
152 C 50	3000

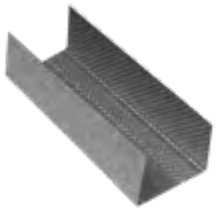
[1] Also available in increased gauge upto 0.9mm with increment of 0.1mm
[2] Bespoke lengths available on request

Gypframe® Deep Channels

Gypframe Deep Channels (DC) are used for partition heights between 4200mm and 8000mm or in situations where deflection heads or improved impact resistance are required.

Component[1]	Length (mm)[2]
52 DC 60	3000
72 DC 60	3000
94 DC 60	3000
102 DC 60	3000
152 DC 60	3000

[1] Also available in increased gauge upto 0.9mm with increment of 0.1mm
[2] Bespoke lengths available on request

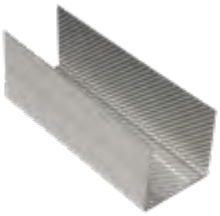


Gypframe® Extra Deep Channels

Gypframe Extra Deep Channels (EDC) are used for partition heights over 8000mm or in situations where deflection head details or improved impact resistance is required.

Component[1]	Length (mm)[2]
52 EDC 80	3000
72 EDC 80	3000
94 EDC 80	3000
102 EDC 80	3000
152 EDC 80	3000

[1] Also available in increased gauge upto 0.9mm with increment of 0.1mm
[2] Bespoke lengths available on request

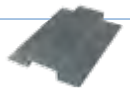


GYPFRAME FIXING CHANNELS

A versatile metal fixing channel used to support medium and heavy weight fixtures on walls.

Component	Thickness (mm)	Length (mm)[1]
Fixing Channels		
103 FC 50	0.5	2400
103 FC 90	0.9	2400
153 FC 90	0.9	2400
Service Support Plate	0.6	130

[1] Bespoke lengths available on request

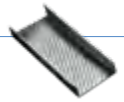


GYPFRAME MF CEILING CHANNELS AND ACCESSORIES

Gypframe MF Ceiling Channels are used for providing a robust false ceiling system. These sections are manufactured using the patented UltraSteel™ process giving a rigidised surface for better screw holding and increased tensile strength.

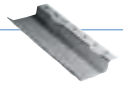
Component	Thickness (mm)	Length (mm)[2] / Unit
MF5 Furring Channel	0.5[1]	3000[2]
MF7 Main Channel	0.5[1]	3000[2]
Soffit Cleat with Nut & Bolt	1.6 (Soffit Cleat)	Box
MF7 Clip & Threaded Rod		
Threaded Rod 3m	6	3000[2]
Clips/Nuts	0.7 (Clip)	Box
Connector	-	Box
Shadow Angle		
Shadow Angle 15mm	1.2	3000[2]

[1] Also available in increased gauge upto 0.9mm with increment of 0.1mm
[2] Bespoke lengths available on request



GYPLYNER STUDS AND OTHER ACCESSORIES

These components are designed to aid the installation of plasterboard linings directly to concrete and blockwork walls.

Component	Thickness (mm)	Length (mm)	
GL1 Stud	0.5[1]	3000[2]	
GLB85 Bracket	0.8	208	
GLB135 Bracket	0.8	308	
GFS1 Fixing Strap	0.4	3000[2]	
GAB3 Acoustic Brace (pair)	1.5	459	
RB1 Resilient Bar	0.45	3000	

[1] Also available in increased gauge upto 0.9mm with increment of 0.1mm
[2] Bespoke lengths available on request

GYPFRAME SHAFTWALL CHANNELS

These products are used for the high performance ShaftWall system used to create lift shaft and service riser linings that can be constructed from one side and provide structural and fire protection applications.

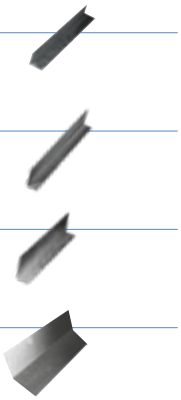
Component	Thickness (mm)	Length (mm)[1]	
Starter Channels			
70 SC 70	0.7mm	3000	
100 SC 80	0.8mm	3000	
150 SC 90	0.9mm	3000	
Retaining Channels			
RC 70	0.5mm	3000	
RC 100	0.5mm	3000	
RC 150	0.5mm	3000	

[1] Bespoke lengths available on request

GYPFRAME ANGLES

Gypframe steel angles are widely used in framed construction to provide support, protection, fixing and additional strength to wall, ceiling and encasement framing.

Component	Thickness (mm)	Length (mm)[2]
GA1 Steel Angle	0.5[1]	3000
GA3 Steel Angle	0.6	3000
GA4 Steel Angle	0.7[1]	3000
GA6 Splayed Angle	0.5	3000



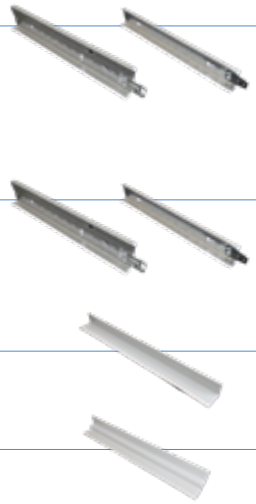
[1] Also available in increased gauge upto 0.9mm with increment of 0.1mm

[2] Bespoke lengths available on request

GYPFRAME T GRID COMPONENTS

Gypframe® T is a high-strength lay-in ceiling grid system designed to receive Edge A and Edge E15 ceiling tiles.

Component	Height / Dimension (mm)	Length (mm)
Gypframe 15mm T Grid Sections		
15mm Main T	38	3600
15mm Cross T	28	600
15mm Cross T	28	1200
Gypframe 24mm T Grid Sections		
24mm Main T	38	3600
24mm Cross T	28	600
24mm Cross T	28	1200
Gypframe T Wall Angle	22 x 19	3000
Gypframe T Shadow Angle	19 x 9 x 9 x 19	3000



Component	Thickness (mm)	Length (mm) / Unit
Gypframe T Adjustable Hangers[1]		
Adjustable Clip	0.5	Box
Hanger Rod	3mm (diameter)	750/1000/1500

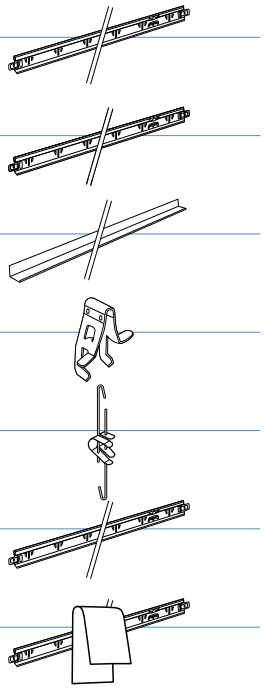
[1] For Adjustable Hangers always use 2 Hanger Rods and 1 Adjustable Clip

GYPTONE EDGE D2 CROSS-LOCK UNIPRO GRID COMPONENTS

The new concealed T24 grid system Cross-Lock Unipro is easy to install. The installation time of the grid system has been reduced by 20% compared to other concealed systems available in the market reducing installation time and costs significantly.

Ceilings with Edge D2 tiles not only create an optimal acoustic environment, they also open up exciting opportunities for designing light solutions. It allows for perfect integration with a wide range of light fittings ensuring the ideal combination of aesthetics, acoustics and lighting.

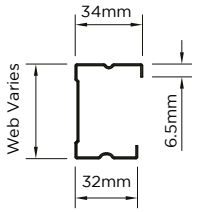
Component	Length (mm) / Unit
Main beam unipro	3600
Cross profile unipro	3600
Wall angle	3000
Cross Lock connector	Box
Adjustable Hangers	90 - 1500
Connecting bracket	Box
Wall springs	Box



Gypframe® dimensions

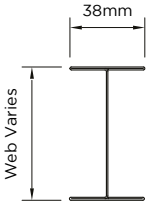
Studs

Gypframe 'C' Studs

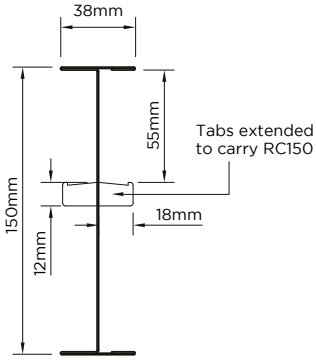


50 S 50 100 S 50
70 S 50 150 S 50
92 S 50

Gypframe 'I' Studs

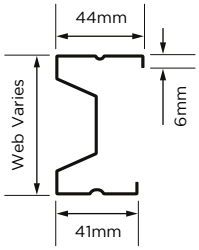


'I' Studs
70 I 70
100 I 80



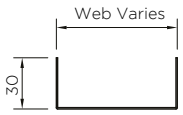
'I' Studs
150 I 90

Gypframe AcouStuds



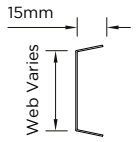
AcouStuds
70 AS 50
92 AS 50

ShaftWall Channels and Accessories



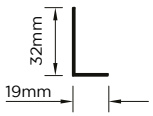
Starter Channel

70 SC 70
100 SC 80
150 SC 90



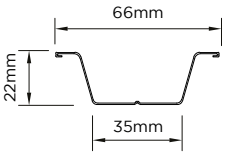
Retaining Channel

RC 70
RC 100
RC 150

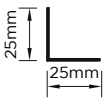


GA3 Steel Angle

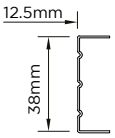
Gypframe MF Ceiling sections



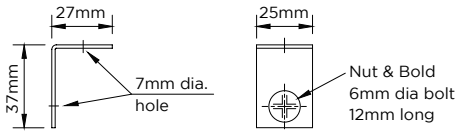
MF5 Ceiling Section



GA1 Steel Angle



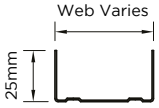
MF7 Primary
Support Channel



Gypframe Soffit Cleat with Nut & Bolt

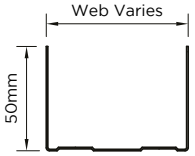
Channels

Gypframe Standard, Deep and Extra Deep Channels



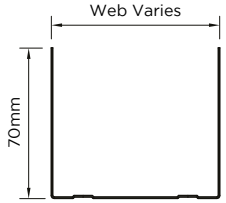
Standard 'C'

52 C 50 102 C 50
72 C 50 152 C 50
94 C 50



Deep Channel 'DC'

52 DC 60 102 DC 60
72 DC 60 152 DC 60
94 DC 60

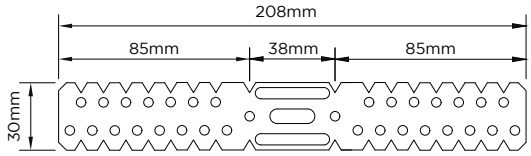


Extra Deep Channel 'EDC'

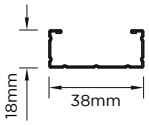
52 EDC 80 102 EDC 80
72 EDC 80 152 EDC 80
94 EDC 80

Gypframe® dimensions (continued)

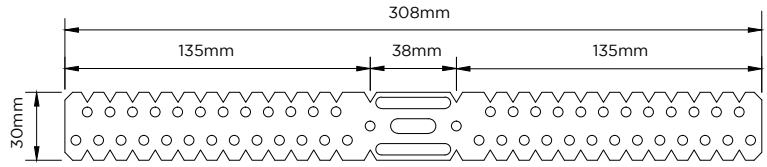
GypLyner sections



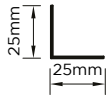
GLB85



GL1 Stud

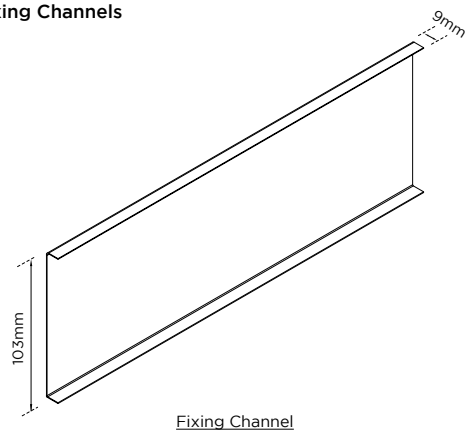


GLB135



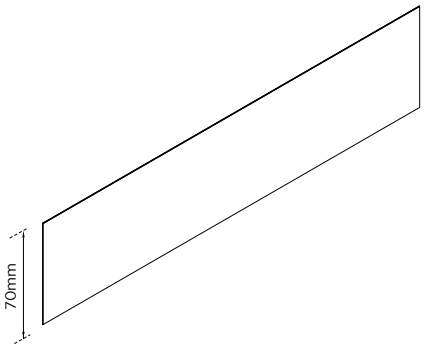
GA1 Steel Angle

Fixing Channels



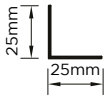
Fixing Channel
103 FC 50
103 FC 90

Fixing Strap

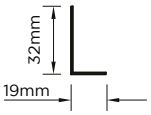


GFS1 Fixing Strap

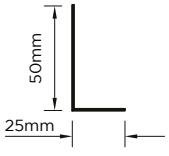
Gypframe Angles



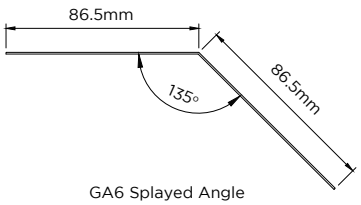
GA1 Steel Angle



GA3 Steel Angle

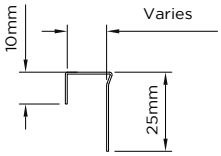


GA4 Steel Angle

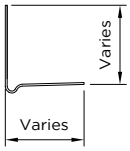


GA6 Splayed Angle

Edge Bead

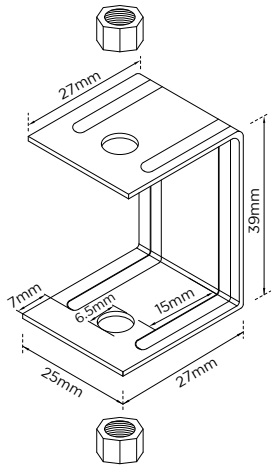


Corner Bead



Gypframe® dimensions (continued)

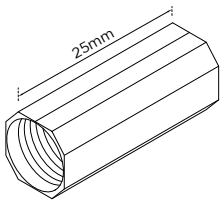
Gypframe 'C' Clamp
Including 2 nuts



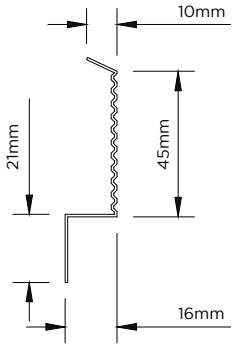
Gypframe Threaded Rod

Diameter: 6mm
Length: 3000 mm

Gypframe Threaded Rod Coupling

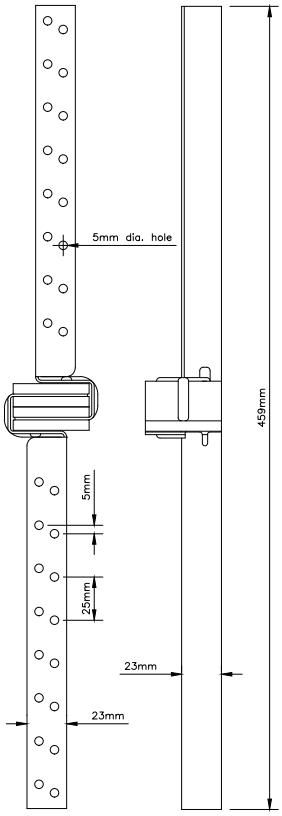


RB1 Resilient Bar



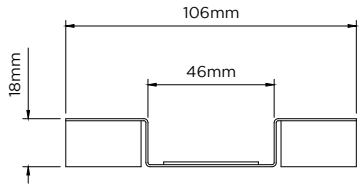
RB1 (0.45mm)

GAB3 Acoustic Brace



GAB3

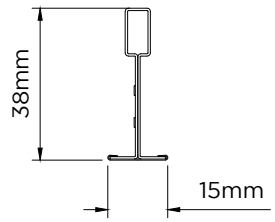
Service Support Plate



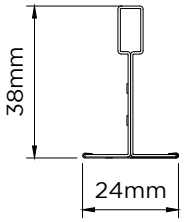
Service Support Plate
(130mm long / 0.6mm thick)

Gypframe® T Grid dimensions

Gypframe Main T Grid sections

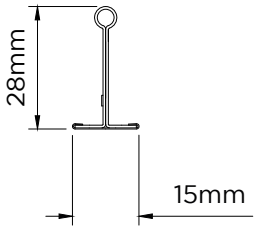


Gypframe Main T Grid
15mm

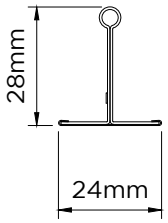


Gypframe Main T Grid
24mm

Gypframe Cross T Grid sections

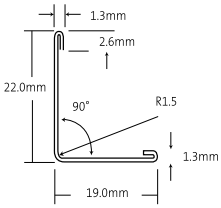


Gypframe Cross T Grid
15mm

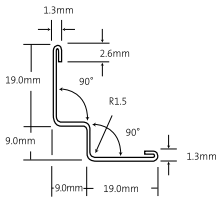


Gypframe Cross T Grid
24mm

Gypframe T Angles



Gypframe T Wall Angle



Gypframe T Shadow Angle

Notes