

Products - Metal components



This section includes updated information, added since it was first published in July 2009. Please see the WHITE BOOK update document for details.
Last updated 05/07/2010



Board installation with
Gyproc Collated Drywall Screws
Inset images: John Lewis,
Southampton

Metal components

Gypframe metal components

Gypframe metal components provide the backbone for British Gypsum wall, ceiling, floor, lining and encasement systems. Gypframe provides a guaranteed and substantiated performance through the SpecSure® lifetime system warranty.

Gypframe uses a patented rigidisation process unique to British Gypsum called UltraSTEEL®, which alters the characteristics of plain steel, effectively work hardening it. The UltraSTEEL® process involves working steel strips through two patented profiling rolls, which produce a dimpled and ribbed effect across the surface of the material. During the process, the effective gauge of the material is increased to that of the original gauge plus the ribbing. The material is then rolled into Gypframe sections, resulting in a product that not only looks different but is physically superior to untreated metal of the same thickness.

Benefits of UltraSTEEL®:

UltraSTEEL® is unique to British Gypsum and the Gypframe product range. Along with an aesthetic difference, UltraSTEEL® provides the following additional benefits over plain steel sections:

- Improved yield strength
- Improved load carrying capacity
- Improved screw retention and strip out strength
- Improved resistance to screw pull-out

Standards:

Gypframe metal products are produced to the European manufacturing standard EN 14195, under a quality system independently audited and certified as conforming to ISO 9001. The EN 14195 standard does not cover component design or system performance. Other products manufactured to this standard cannot be substituted, as system performance will be changed.

Metal components index

Gypframe studs

'C' Studs	497
AcouStuds	497
'I' Studs	498

Gypframe channels

Standard Floor & Ceiling Channels	498
Deep Flange Floor & Ceiling Channels	499
Extra Deep Flange Floor & Ceiling Channels	499
CasoLine MF ceiling channels and accessories	499
Gyplyner channels and accessories	500
GypFloor SB steel batten and accessories	500
ShaftWall starter channels and accessories	501
GypFloor SILENT channels and accessories	501
Fixing channels	502
GypWall RAPID studs, channels and accessories	502
Curvelyner channel	502
FlameLyner components	503

Gypframe steel angles

Steel angles	503
--------------	-----

Specialist profiles

Board jointing components	504
Sound insulating bars	504
Skirting plates	504
Security sheet	504

Gypframe clips, brackets and accessories

Acoustic braces	505
Acoustic hangers	505
Staggered stud clips	505



Metal components

Bespoke Gypframe

Driven by the demands of modern building designs, British Gypsum has widened its Gypframe bespoke product range to provide architects, specifiers, contractors and clients with ultimate flexibility. 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. Bespoke length metal is also available for curved walls, where you can specify the required radius. Bespoke profiles are highlighted throughout this section.

Gypframe reference codes and abbreviations

The first two or three digits of a component code refer to the component width in mm, the letters refer to the component type and the last two digits indicate metal thickness or gauge (see example below).

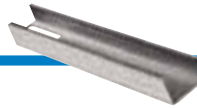
60 I 50		
Component width in mm Example = 60mm	Component type Example = 'I' Stud	Stud gauge Example = 0.50mm

Key	Gypframe component	Flange dimension mm
S	'C' Stud	32, 34, 36 (GWR studs)
I	'I' Stud	38
AS	AcouStud	42 (43mm stud), 41 & 44 (70mm & 146mm stud)
C	Channel	32
DC	Deep Flange Channel	50
EDC	Extra Deep Flange Channel	70
JC	'J' Channel	50, 70
SC	Starter Channel	32
FC	Fixing Channel	-
CL	CurveLyner Channel	32
T	Tabbed	-
	Metal thickness (stud gauge)	
	50 = 0.50mm	70 = 0.70mm
	55 = 0.55mm	80 = 0.80mm
	60 = 0.60mm	90 = 0.90mm
	65 = 0.65mm	10 = 1.00mm



Gypframe studs

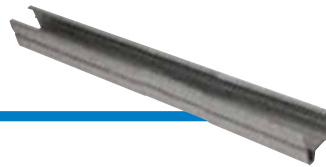
Gypframe 'C' Studs



The Gypframe 'C' Stud design includes sight lines down the legs of the stud to ease board alignment and increase profile strength. Structural apertures are also spaced along the spine of the Gypframe 'C' Stud, providing easy routing of services through a partition.

	Available length mm
48 S 50 'C' Stud¹	2400, 2700, 3000, 3600
60 S 50 'C' Stud¹	3000, 3600
70 S 50 'C' Stud¹	2400, 2700, 3000, 3600, 4200
70 S 60 'C' Stud¹	3600, 4200
92 S 50 'C' Stud¹	3600, 4200
92 S 60 'C' Stud¹	4200
92 S 10 'C' Stud¹	3600, 4200
146 S 50 'C' Stud¹	3000, 3600, 4200

Gypframe AcouStuds



These uniquely shaped studs are used for increased acoustic performance, with the patented profile absorbing sound as it passes through a wall. Gypframe AcouStuds can be used to upgrade the acoustic performance of 43mm, 70mm, 92mm and 146mm wall systems without using insulation and the design includes sight lines for both board alignment and added profile strength. They also have wider flange widths than Gypframe 'C' Studs, providing an increased board fixing area.

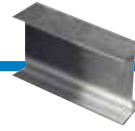
	Available length mm
43 AS 50 AcouStud¹	2395, 2695
70 AS 50 AcouStud¹	2400, 2700, 3000, 3600, 4200
92 AS 50 AcouStud¹	3600, 4200
146 AS 50 AcouStud¹	3600

¹ Bespoke lengths are available.



Gypframe studs and channels

Gypframe 'I' Studs



Gypframe 'I' Studs are the strongest available in the Gypframe range. They allow for increased partition height, without increasing partition width, and provide improved impact resistance. They are commonly used in ShaftWall, Gyplyner IWL, GypWall QUIET IWL and other GypWall systems where board fixing strength is paramount. Structural apertures are spaced along the spine of the Gypframe 'I' Stud, providing easy routing of services through a partition.

Available length
mm

48 I 50 'I' Stud¹	2700, 3000
60 I 50 'I' Stud¹	2700, 3600
60 I 70 'I' Stud¹	3600, 4200
70 I 50 'I' Stud¹	3600, 4200
70 I 70 'I' Stud¹	3600, 4200
92 I 90 'I' Stud¹	3600, 5000, 6000
146 I 80 'I' Stud¹	5000, 6000
146 TI 90 Tabbed 'I' Stud¹	5000, 6000

Gypframe Standard Floor
& Ceiling Channels

These products are used for retaining wall studs at floor and ceiling junctions. In addition to Standard (C) channels, Deep Flange (DC) and Extra Deep Flange (EDC) versions are available for greater partition heights, or in situations where deflection head details, improved impact resistance and easier skirting fixing are required.

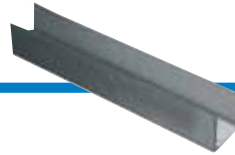
Available length
mm

50 C 50¹	3600
62 C 50¹	3600
72 C 50¹	3600
94 C 50¹	3600
94 C 70¹	3600
148 C 50¹	3600

¹ Bespoke lengths are available.

Gypframe channels and accessories

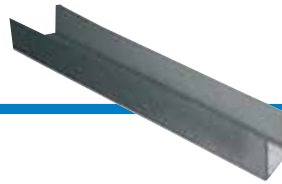
Gypframe Deep Flange Floor & Ceiling Channels



Designed for partitions between 4200mm and 8000mm high, and for situations where deflection, improved impact resistance and easier skirting fixing are required.

	Available length mm
50 DC 60¹	3600
62 DC 60¹	3600
72 DC 60¹	3600
94 DC 60¹	3600
148 DC 60¹	3600

Gypframe Extra Deep Flange Floor & Ceiling Channels



Designed for partitions over 8000mm high, and for situations where increased deflection, improved impact resistance and easier skirting fixing are required.

	Available length mm
50 EDC 70¹	3600
72 EDC 80¹	3600
94 EDC 70¹	3600
148 EDC 80¹	3600

CasoLine MF ceiling channels and accessories

These channels and associated accessories are designed to provide seamless suspended ceilings that can be either flat or curved.

MF5 Ceiling Section¹		3600
MF6 Perimeter Channel		3600
MF7 Primary Support Channel¹		3600
MF7C Curved Support Channel²		3600
MF8 Strap Hanger		1 coil 25 metre
MF9 Connecting Clip		Box 200 2.65mm gauge
MF11 Nut and Bolt		Box 200 6 x 12mm Bolt
MF12 Soffit Cleat		Box 100 27 x 37 x 25 x 1.6mm

¹ Bespoke lengths are available.

² Bespoke radius available. Minimum order quantity applies.



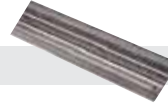
Always use genuine branded British Gypsum components to qualify for SpecSure® lifetime warranty

Gyframe channels, battens and accessories

GyPlyner channels and accessories

This range of channels and accessories is designed for the easy installation of plasterboard linings on masonry walls, concrete soffits, timber joists, and the encasement of steel columns and beams.

GL1 Lining Channel¹



2400, 2700, 3000, 3600

GL2 Bracket (supplied flat)



Box 100

195

GL3 Channel Connector



Box 50

-

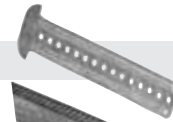
GL5 Timber Connector



Box 200

70

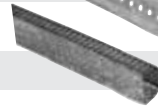
GL6 Timber Connector



Box 100

170

GL8 Track



3600

GL9 Bracket (supplied flat)



Box 100

295

GL10 GyPlyner Steel Framing Clips



Box 100

-

GL11 GyPlyner Anchors



Box 100

-

MF10 Channel

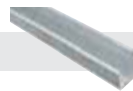


2800

GypFloor SB steel battens and accessories

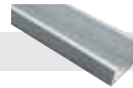
The battens and associated components that make up the GypFloor SB system are for use with both timber and masonry separating floors.

50 SB 65 Steel Batten



1800

70 SB 65 Steel Batten



1800

SB3 Flanking Strip



10m

SB4 Levelling Cradle



-

SB5 Levelling Packer



-

¹ Bespoke lengths are available.








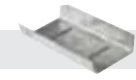




Always use genuine branded British Gypsum components to qualify for SpecSure® lifetime warranty

Gyframe channels and accessories

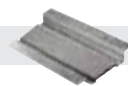
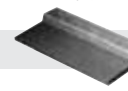
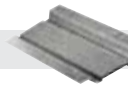

ShaftWall starter channels and accessories

This range of channels and compatible accessories is designed especially for the high performance ShaftWall system, providing guaranteed floor, wall, head and retaining support.

		Length mm
60 SC 55 Starter Channel¹		3600
62 JC 70 'J' Channel¹		3600
70 SC 70 Starter Channel¹		3600, 4200
92 SC 90 Starter Channel¹		5000, 6000
146 TSC 90 Tabbed Starter Channel¹		5000, 6000
G102 Retaining Channel¹		2400
G105 Retaining Channel¹		2400
G108 Retaining Clips		Box 100 -
G109 Retaining Clips		Box 100 -
G110 Retaining Channel¹		2400

GypFloor SILENT channels and accessories

Providing support for the GypFloor SILENT acoustic floor system, these channels incorporate an integral neoprene acoustic isolator.

		Length mm
SIF1 Floor Channel		2000
SIF2 Floor Channel		2000
SIF4 Floor Channel		2000
SIF5 Floor Screws		Box 1000 55

¹ Bespoke lengths are available.



Gypframe channels and fixing channels

Fixing channels

Gypframe fixing channels are used for a variety of applications, including cross-bracing on twin frame wall systems and the fixing of medium to heavyweight fittings.

99 FC 50 Fixing Channel

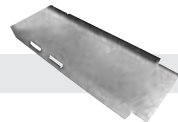
Used for bracing twin frame wall systems and medium weight fixtures to BS 5234.

Length
mm

2400

150 FC 90 Fixing Channel

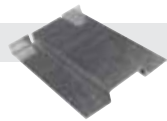
Suitable for heavyweight fixings.



1194

Service Support Plate

Used for the installation of plywood within a partition cavity.

**Box 100**

130

GypWall RAPID dB Plus channels

These studs, channels and accessories are designed to be used together to form the GypWall RAPID dB Plus housing partition.

GWR2 Nogging Channel 43mm

896

GWR3 Floor & Ceiling Channel (45 C 50)

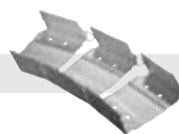
2400

43 AS 50 AcouStud¹

2395, 2695

Curvelyner Channel

A patented version of Gypframe Extra Deep Flange Floor & Ceiling Channel with an innovative design to simplify the construction of curved walls to a minimum radius of 600mm.

72 EDCL 80 Curvelyner ChannelLength
mm

2000

¹ Bespoke lengths are available.



FlameLyner components and Gyframe steel angles

FlameLyner components

Components for the FlameLyner fire resisting industrial wall and roof lining system, gives up to 120 minutes fire resistance for industrial buildings.

GT1 Main 'T'



Length
mm

3600

GT2 Cross 'T'



603

GT3 Spring Wedge



Box 1000

-

GT4A Bracing Strap



300

GT4B Bracing Strap



450

GT5 Steel Angle



3000 (24mm x 24mm x 90°)

Gyframe steel angles

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

GA1 Steel Angle (25 x 25 x 0.5mm)



2900

GA2 Steel Angle (25 x 25 x 0.7mm)



3200

GA3 Steel Angle (19 x 32 x 0.7mm)



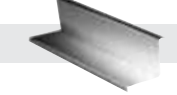
3200

GA4 Steel Angle (25 x 50 x 0.7mm)



3660

GA5 Internal Fixing Angle (60 x 60 x 0.5mm)



3600

GA6 Splayed Angle (85 x 85 x 0.5mm)



2400, 3600



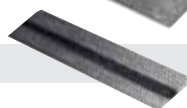
Specialist profiles

Board jointing components

Products used to support horizontal plasterboard joints.

GFS1 Fixing Strap (70 x 0.5mm)Length
mm

2400

GFT1 Fixing 'T' (50 x 0.5mm)

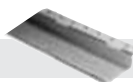
2400

Sound insulating bars

These products are specially engineered to optimise acoustic performance.

RB1 Resilient Bar

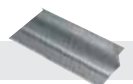
For use in wall and ceiling systems.

Length
mm

3000

RB2 SureFix Bar

Designed for use with ceiling systems, and will also eliminate nail popping.



3000

Skirting plate

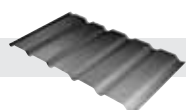
A specially designed product for use with thermal laminates to provide a fixing for skirting boards.

G106 Skirting PlateDepth
mm**Box 100**

12.5

Security sheet

An engineered sheet for use in the cavity of the GypWall **SECURE** system to provide additional resistance to determined attack.

Security SheetDimensions
mm

3000 x 1070



Gypframe clips, brackets and accessories

Acoustic braces

Specially engineered product to optimise acoustic performance in the GypWall AUDIO system in high performance applications, such as cinemas.

GAB3 Acoustic Brace



		Length mm
Box 25		
		459mm

Acoustic hangers

Resilient hangers used in conjunction with CasoLine MF ceiling system and timber joist ceilings and floors for increased acoustic performance.

GAH1 Acoustic Hanger



		Length mm
Box 100		
		35
Box 100		
		70

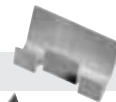
GAH2 Acoustic Hanger



Staggered stud clips

Clips for use in the GypWall STAGGERED acoustic partition system for positioning and securing studs.

SC1 Spacer Clip



Box 100	
Box 100	

SC2 Spacer Clip

