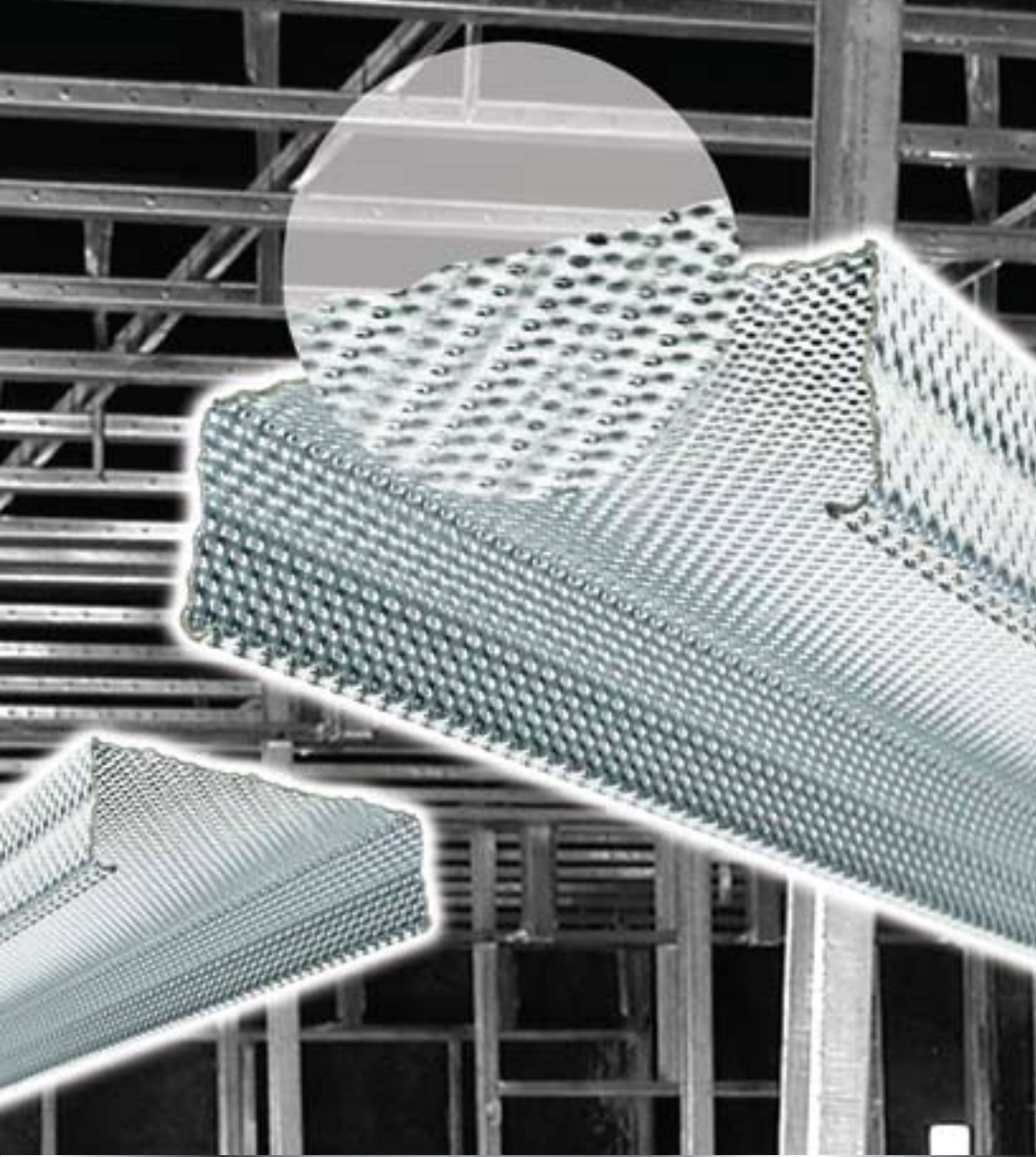


Gypsteel ULTRA™

Metal Framing & Accessories



Member of:



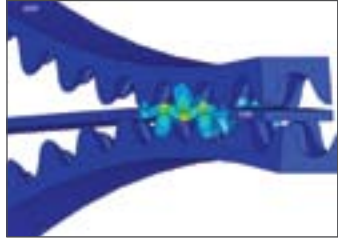
SAINT-GOBAIN
GYPROC

Innovative Building Solutions

What Is Gypsteel ULTRA™

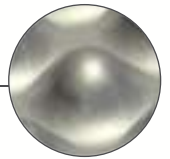
Gypsteel ULTRA™ - A cold rolled pre-forming process that locally work hardens the base material

- The steel is driven between two mating rolls to create a dimpled surface & ribbing effect across the surface.

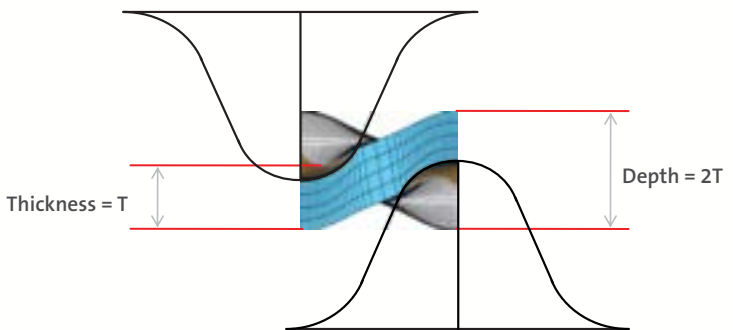


The Gypsteel ULTRA™ Process

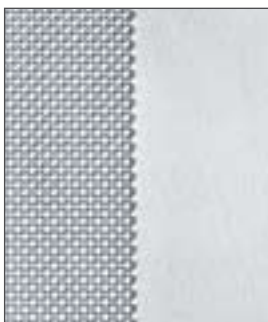
- Effective thickness improvement during production (2 x depth)



- Base material gauge (T)
- Effective thickness after production (2T)



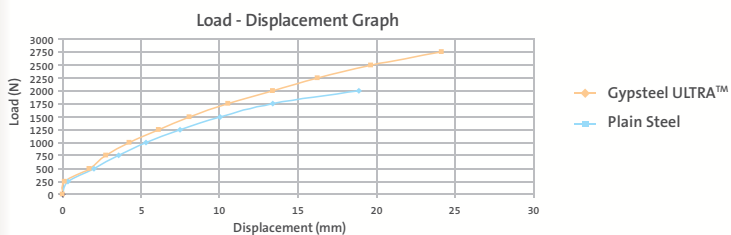
Finished product - Unique appearance completely ribbed surface



Gypsteel ULTRA™ is manufactured under license by Saint-Gobain Gyproc India Ltd. using the Ultrasteel process and is protected by UK and International Patents granted and pending together with design registration. Ultrasteel is a trademark of Hadley Industries Overseas Holdings Limited.

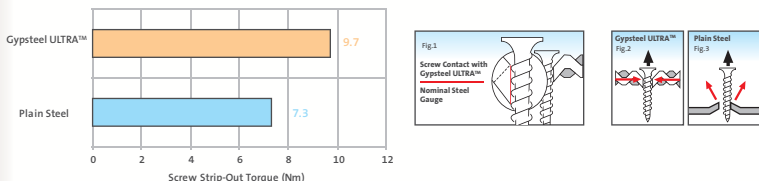
Greater Load Carrying Capacity

Improvement of 36% in maximum load carrying capacity



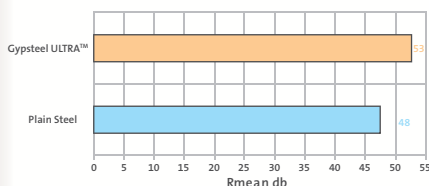
Improved screw retention

Improvement of 17% in screw retention and 32% in screw strip out torque



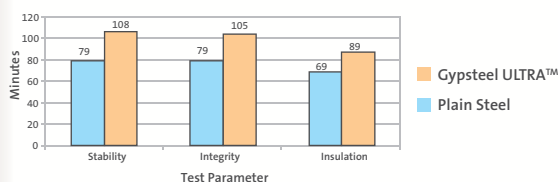
Acoustic insulation benefit

Sound insulation improvement by 10%



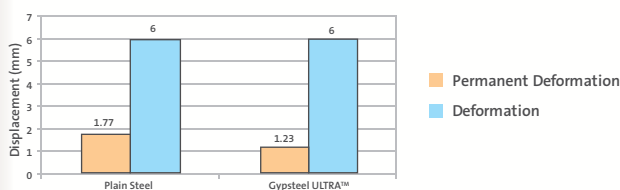
Fire Resistance

Improvement in resistance to fire load by 33%



Increased Spring Tension

30% improvement in resistance to permanent deformation



The major benefits of Gypsteel ULTRA™

- Greater load carrying capacity
- Enhanced screw retention
- Increased memory/spring tension
- Improved acoustic performance
- Improved fire test performance
- Unique appearance to help avoid duplication

THE INSTALLATION BENEFITS

Faster, safer & easier to install



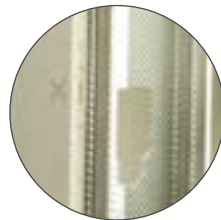
No screw stripping or screw riding



Easy to cut



Sight lines on flanges for more precise joints



Increased friction fitting



Installation Friendly Product

- Improved productivity & quality
- Virtually no screw stripping & screw riding
- Tighter stud to track friction fitting
- Sight lines on flanges for more precise joints
- Improved safety by reducing sharp edges and lips

Screw Pull-Out

- **Screw retention test**
 - Greater material contact
 - Higher yield strength material
 - Improved screw retention, typically up by 17%

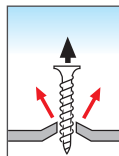
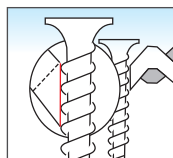


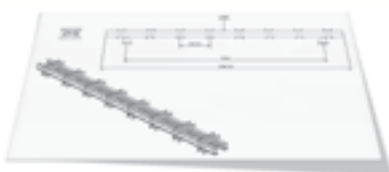
Plate bending test results

- Surface ribbed finished metal plate test data
 - Typically 25 - 40% improved load carrying capacity*
- Finished Product (stud, strut, Box)
 - Typically 10 - 25% improved load carrying capacity#

* dependant on material properties, # dependant on product geometries

Product – 3 Point Bend Test

	Plate Bending
Gauge (mm)	Gypsteel ULTRA™
0.45	22%
0.50	31%
0.60	39%



Flexural rigidity improvement by 26%

Gauge (mm)	70S50 Profile					
	Type	Max Force(N)	Normalised Results	% difference	Flexural Rigidity @8mm	%Diff
0.50	Plain Steel	954.70	656.80	-	-	-
	Gypsteel ULTRA™	1073.00	738.20	12	35.7	26

Gypsteel ULTRA™ - Partitions

Floor and Ceiling Channel



- **Application**
Designed for securing wall studs at floor and ceiling junctions. Fixed to floor and ceiling to accommodate Gypsteel ULTRA™ studs

Dimensions in mm :

50 x 32 x 32 x 3660	94 x 32 x 32 x 3660
72 x 32 x 32 x 3660	148 x 32 x 32 x 3660

'C' Stud



- **Application**
Used as the vertical support in wall framing

Dimensions in mm :

48 x 34 x 36 x 2440	70 x 34 x 36 x 3050
48 x 34 x 36 x 2745	70 x 34 x 36 x 3660
48 x 34 x 36 x 3050	92 x 34 x 36 x 3050
48 x 34 x 36 x 3050	92 x 34 x 36 x 3660
48 x 34 x 36 x 3660	146 x 34 x 36 x 3660

AcouStud

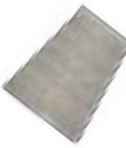


- **Application**
Used as the vertical support in wall framing. This is a specialist stud which will give high acoustic performance

Dimensions in mm :

70 x 41 x 44 x 3660	92 x 41 x 44 x 3660
70 x 41 x 44 x 3660	146 x 41 x 44 x 3660

Fixing channel



- **Application**
Used for a variety of applications including the provision of support for wall fixtures to studs and for cross bracing on twin framed walls. Fixed to metal studs using flat pan head metal screws for attachment of heavy fixtures

Dimensions in mm : 99 x 9.5 x 9.5 x 0.91 x 2440

Gypsteel ULTRA™ - Ceiling

Ceiling Section



- **Application**
The main supporting section to fix plasterboard

Dimensions in mm : 80 x 26 x 51 x 3660

Perimeter Channel



- **Application**
Fix around walls / partitions

Dimensions in mm : 20 x 28 x 30 x 3660

Intermediate Channel



- **Application**
Primary section to support the ceiling section

Dimensions in mm : 15 x 45 x 15 x 3660

Ceiling Angle



- **Application**
To provide suspensions from the structural soffit

Dimensions in mm : 25 x 10 x 3660

Gyproc®- Accessories

Connecting Clip



- **Application**
Used to connect ceiling section or U section to intermediate channel or tube section respectively

Dimensions in mm : 2.64 Ø

Rawl Plug



- **Application**
Expandable fastener to hold the ceiling

Dimensions in mm : 38 x 12 Ø

Soffit Cleat



- **Application**
To hold the ceiling angle / MS Flat / Level clip suspensions of framework from the structural soffit

Dimensions in mm : 27 x 37 x 25 x 1.6

Drywall Screw



- **Application**
Corrosion resistant self-tapping zinc plated steel screws with countersunk cross-heads, supplied with screw driver bits. To fix plasterboard to metal framework

Dimensions in mm : 3.5 x 25 | 3.5 x 35 | 3.5 x 50

Angle Bead



- **Application**
Perforated galvanized metal bead for reinforcing external 90° angles where maximum protection is required

Dimensions in mm : 25 x 25 x 2440 | 25 x 25 x 3660

Edge Bead



- **Application**
Galvanized metal bead, having an asymmetric profile with one perforated leg to accommodate jointing material. It is used to protect the exposed and unsupported edges of plasterboard. Also used to form perimeter detail to cover the edges of plasterboard

Dimensions in mm :
25 X 10 X 9.5 X 2440 25 X 10 X 9.5 X 3660
25 X 10 X 12.5 X 2440 25 X 10 X 12.5 X 3660
25 X 10 X 15 X 2440 25 X 10 X 15 X 3660

Shadowline Stopping Bead



- **Application**
Shadowline stopping bead is a semi perforated galvanized section used for minimizing the appearance of non - aligned walls and ceilings by giving a clean, straight, shadow edge on installation and finishing. They are suitable for ceiling perimeters, door jamps, windows etc.

Dimensions in mm : 0.4 X 9 X 10 X 28

The Saint-Gobain group founded in 1665, is one of the world's 100 largest industrial groups and the world no. 1 in building materials. It operates in four core sectors – Building Distribution, Innovative Materials, Packaging and Construction Products. Saint-Gobain operates in over 59 countries worldwide and fields a workforce in excess of 208,000. Saint-Gobain is a world leader in each of its competencies. The future strategy of Saint-Gobain is focused on attaining “worldwide leadership in construction markets, offering innovative solutions to meet the fundamental global challenges of growth, energy and environment”.

Saint-Gobain Gyproc India Ltd. is a market leader in the interior construction space in India for well over 2 decades. The ever expanding product range includes gypsum plasterboard systems for false ceiling & drywall applications, ceiling tiles (gypsum, mineral fibre tiles, glass wool acoustic) for grid ceiling applications, gypsum plasters for internal wall finishes plus a complete range of accessory products.

The entire gypsum plaster board, ceiling tiles and gypsum plaster range of products are approved by CII - IGBC for consideration towards Green Building rating systems (LEED) points.



-  Sales Offices
-  Plant Locations

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