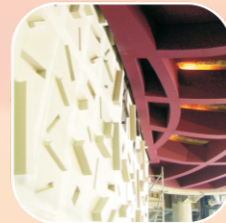


# USGBoral Ultraframe Partition System

## METAL SYSTEMS

Ultraframe Partition System is engineered to provide a simple and effective solution for all kinds of interior partition applications.



### Application

Ultraframe Partition System is specially engineered to allow high level of performance across a broad range of domestic, commercial and industrial applications. This system provides a pre engineered solution to the assembly of non load bearing interior partitions.

Ultraframe Partition System provides one of the safest and most efficient solutions for building standard partitions as well as partitions that require technical properties such as:



Fire rating up to 4 hours



Acoustic insulation up to an Rw of 67 db



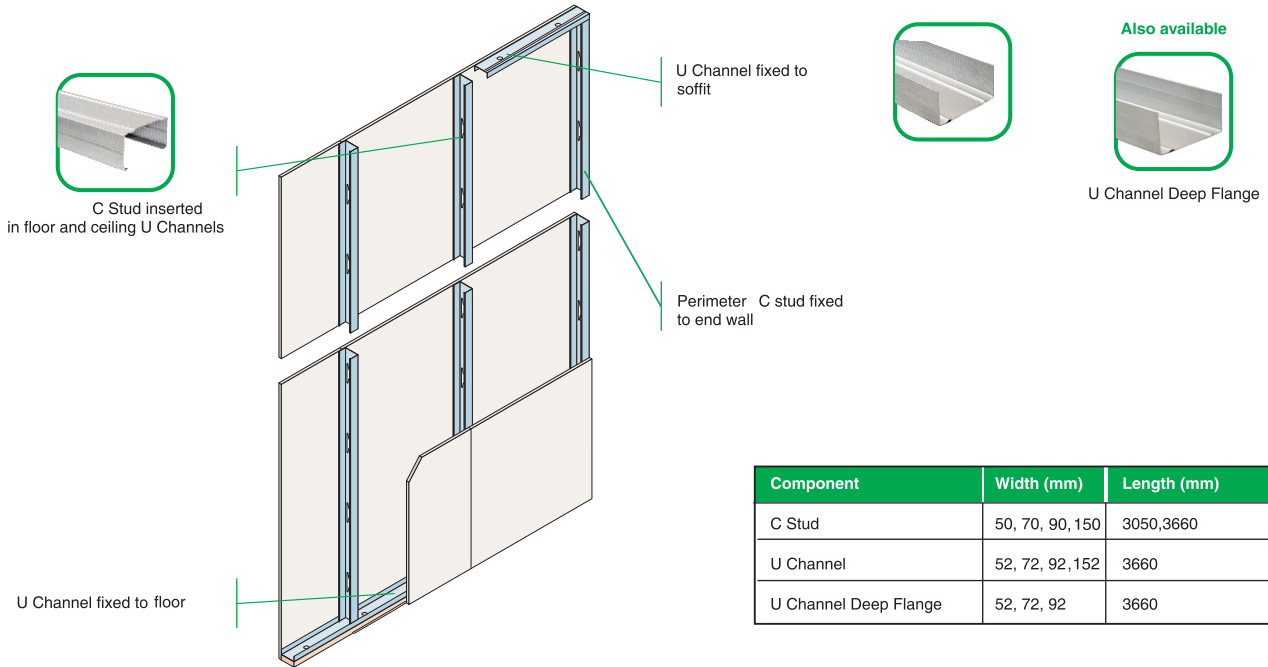
Partitions up to 12m height

## Description

Ultraframe Partition components deliver high performance partition systems for acoustic and fire rated systems, wet areas, and specialty partition applications like in cinemas. Please refer to the Technical Manual for full range of Partition specifications.

All the components of the Ultraframe Partition System are made from high quality cold rolled steel with galvanization of 120g/sqm in accordance with IS277:2003 galvanized steel sheets (plain and corrugated) specification to prevent rusting.

## System Illustration



Fix appropriate U Channels to the floor and ceiling as per specification mentioned in the Technical Manual.

Insert appropriate C Stud into the U Channel at a distance as per the specification given in the Technical Manual.

*Safety note: Always use the appropriate U and C channel and maintain spacing as per technical specifications for proper strength and rigidity, depending on your partition height. Your safety is our priority and thus we invite you to contact Technical Center for advice on selecting the correct Ultraframe Partition System that can meet your technical requirements.*

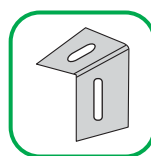
## Other Accessories



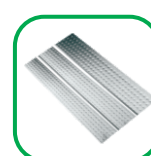
Bracket



Screws (as appropriate)



Deflection Head Bracket



Flat Strap (for fire stops)



Fixing Channel

## Advantages

Ultraframe Partition System is strong and efficient system which is designed by experts to achieve the desired performance. This makes Ultraframe the best choice in terms of quality and safety. Ultraframe Partition System is:

### Strong & safe

- Manufactured from high quality, cold-rolled galvanized steel to meet Indian as well as international standards
- Roll formed using engineered equipments and controlled by the manufacturing expertise

### Easy & fast installation

- C-Studs are easily placed into U-Channels with a "twist to lock motion, but can still be adjusted to accommodate fixing of gypsum board
- C-Stud's asymmetrical design allows studs to be boxed which is helpful for extending studs in height or when extra strength is required around door and window openings
- Fast and simple noggin systems for additional mechanical loadings or for hanging items like televisions, cupboard etc.
- Pre punched service holes designed to hold various M&E and plumbing services

### Engineered Strength

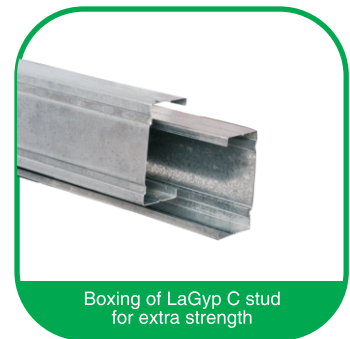
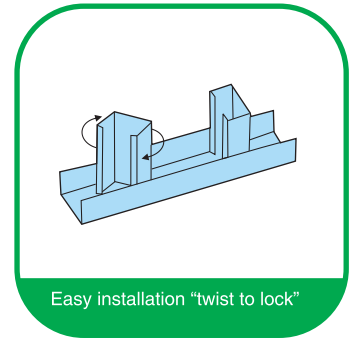
- Engineered profile designs to optimize section strength, rigidity and weight
- Fire and acoustically rated systems to meet various standards such as ASTM, British Standard and IS. Please consult the Technical Center for full specifications

### Durability

- Hot dipped galvanized steel as per IS 277 standard with 120 g/sqm of zinc prevents rusting making it suitable for humid climates

### Cost Efficient

- Faster to install as compared to other traditional solutions which reduces build time and labour cost
- Lower weight on the structure reduces overall building cost as compared to the traditional heavy masonry solutions
- Standard solutions offer a competitive option as compared to other traditional solutions without compromise on quality and safety

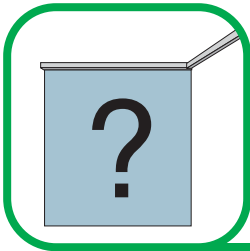
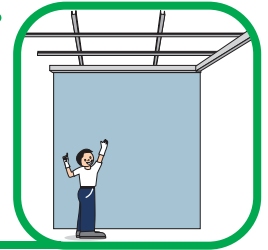


## Common Questions & Answers about quality and safety of a partition system

How does the profile & raw material of USGBoralU & C Stud affect the quality of partitions?

# Q1

- USGBoralC & U stud profile designs are engineered to optimize section strength, rigidity and weight
- Consistent mild steel and uniform anti-rust coatings provide long term performance even in humid conditions.



On what factors the appropriate Partition System should be selected ?

Partition System selection depends on height of the partition, fire rating, acoustic requirement as well as restriction on partition width. Appropriate Partition System should be selected from the Technical Manual.

# Q2

# Q3

What is the maximum height that can be achieved with Partition System?

- A height of 11.6 meter can be achieved, as defined in the Technical Manual.
- Asymmetrical design of C Stud allows boxing of the stud to extend the height. For specific solutions, please contact Technical Center.



Is there any specific requirement for fixing U Channel on floors & ceilings?

Yes, following factors should be considered while fixing U Channel:

- U Channels of 52, 72, 92 & 152mm should be fixed on the floor with appropriate fixings at maximum 610mm centers and the first & the last fixing point not greater than 50mm. For 152mm U Channel, two lines of screws are required.
- In special conditions where the concrete floor is not fully dried out, it is important to use damp proof membrane.



# Q4

# Q5

Is it possible to hang/fix objects on Partitions?

Yes, it is possible to hang/fix objects on the Partitions using anchor and other specially designed accessories to hang loads from picture frames to LCD screens or even wall mounted sanitary ware. For appropriate fixing and more details contact the Technical Center.

