



## USGKnauf FIREBLOC® Gypsum Plasterboards

FIREBLOC® Gypsum Plasterboards are manufactured with mineral additives such as glass fibers, etc. in the gypsum core to improve the core cohesion at high temperatures and reduce the shrinkage when exposed to heat. These boards are with pink colour paper liners.

FIREBLOC® Gypsum Plasterboards are specially designed to offer superior fire resistance performance when used in drywall partitions, shaft walls, ceilings and lining systems.



## 12.5 mm Thick FIREBLOC® Gypsum Plasterboard Specifications:

Description	Specification	Result	Unit
Flexural Strength (Longitudinal Direction)	550 Min.	>550	N
Flexural Strength (Transverse Direction)	210 Min.	>210	N
Length	2440/1830 (+/-6)	2439/ 1829	mm
Width	1220 (+0/-5)	1219	mm
Thickness	12.5 (+/- 0.5)	12.5	mm
Average Density		880	Kg/cum.

\* For actual results, batch MTC shall be referred.

## 15 mm Thick FIREBLOC® Gypsum Plasterboard Specifications:

Description	Specification	Result	Unit
Flexural Strength (Longitudinal Direction)	650 Min.	>650	N
Flexural Strength (Transverse Direction)	250 Min.	>250	N
Length	2440/1830 (+/-6)	2439/ 1829	mm
Width	1220 (+0/-5)	1219	mm
Thickness	15 (+/- 0.5)	15	mm
Average Density		880	Kg/cum.

\* For actual results, batch MTC shall be referred.

### Applicable Standards:

BS-1230 (Part-1): 1985,  
BS EN 520

### Edges:

Tapered & Square

### System Performance:

- 1x15 mm FIREBLOC® secured on both sides to 70 mm studs (0.50 mm)= 1hrs.
- 2x15 mm FIREBLOC® secured on both sides to 70 mm studs (0.50 mm)= 2hrs.
- 2x12.5 mm FIREBLOC® secured on both sides to 50 mm studs (0.70 mm) = 2hrs.
- 2x12.5 mm FIREBLOC® secured on both sides to 70 mm studs (0.50 mm)= 2hrs.

### Application and Installation:

USGKnauf FIREBLOC® boards are recommended to meet the desired fire resistance in drywalls & other applications like false ceilings, beam & column encasement systems etc. Apart from fire resistance properties the FIREBLOC® boards also helps to achieve acoustics levels required when installed as a system with different configuration of Gypsum Plasterboards.

### Best Suitable For:

- Airports
- Hotels
- Hospitals
- Malls and shopping complexes
- Education institutes and offices
- Any other public areas

### General:

It is essential to have health and safety legislation when working on site i.e. Please adhere to the safety guidelines (personal protective clothing and equipment, etc.) in practice. Consideration must be given to design criteria for specific project solutions.

## Handling:

Manual loading and unloading of Gypsum Plasterboard should be carried out with care to avoid strain.

## Cutting:

Use of Gypsum Plasterboard saw is recommended to cut or core with a sharp knife and snapping the board over a straight edge. Openings like switch boxes or socket points should be cut out before the boards are fixed using a sharp knife. Power and hand tools to cut the Gypsum Plasterboard at job site should be used with care and in accordance with the manufacturers' recommendations.

## Fixing:

It is recommended to use appropriate length of drywall screws and take care to install fixings not closer than 13 mm from cut edges and 10 mm from round edges. Position the boards to the center line of the metal framing. Staggered horizontal and vertical board joints are recommended as a part of good practices.

## Jointing:

All Purpose Joint Compound is a preferred to be used for jointing and finishing of Gypsum Plasterboard joints. However, USGKnauf has range of jointing products like setting and air-drying compounds which can also be applied depending upon the climatic condition and nature of the project.

## Advisory:

USG Knauf FIREBLOC® Gypsum Plasterboard is unsuitable for use in areas subject to continuously damp or humid conditions and must not be used to isolate dampness. All drywall work shall be carried out with trained work force using the complete system from USGKnauf.

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### Manufactured by

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