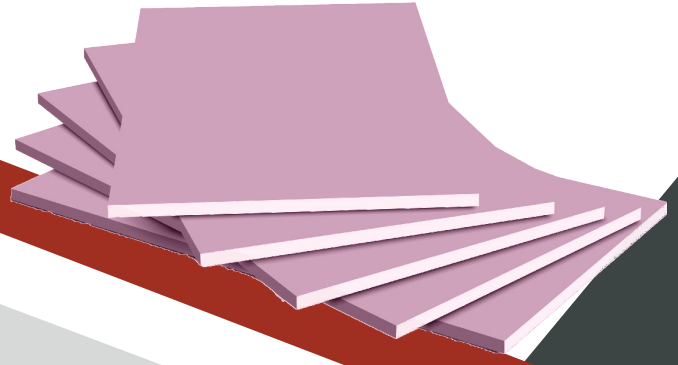




Certified MS  
ISO 9001:2015  
No. Cert. 1118/Δ/2019



## DESCRIPTION

Gboard<sup>®</sup> FR is a fire-resistant gypsum board reinforced with fiberglass. The fiberglass acts as a retardant and protection to the board, improving the performance of the system when exposed to fire. Gboard<sup>®</sup> FR has a pink color paper face.

Gboard<sup>®</sup> FR is used in indoor areas such as internal walls and ceiling applications where improved fire protection is needed.

All materials are certified based on ASTM and EN standards and tested in approved laboratories.

## APPLICATIONS

- Fire-rated partitions
- Suspended ceiling systems
- Wall linings
- Shaft wall encasements
- Wall dressings
- Escape areas
- Commercial and residential buildings

## FEATURES

- Fire resistance
- Low flame spread and smoke development
- Suitable sound insulation
- High surface quality
- High strength
- High resistance to cracks



Fire  
resistance



Eco-friendly



Low smoke  
development



Lightweight

## PROPERTIES

| SURFACE FINISHING   | EDGE TYPES   | STANDARDS   | DIMENSIONS   |
|---|--------------|-------------|--|
| Painted (water or oil base paint)                                   | Squared edge | ASTM C 1396 | Width 1200mm<br>1220mm                                 |
| Cladding (wallpaper, vinyl, wood...)                                | Tapered edge | ASTM C473   | Length 2000mm, 2400mm, 2440mm,<br>2500mm, 3000mm       |
| Joint filling with Gcoat <sup>™</sup> All Purpose<br>Joint Compound | Beveled edge | ASTM E84    | Thicknesses 8.0mm, 9.5mm<br>12.5mm, 15mm, 15.9mm, 18mm |

\*Varying dimensions available upon request

## PHYSICAL SPECIFICATIONS

| SPECIFICATIONS                    | UNIT              | VALUE      | STANDARD    |
|-----------------------------------|-------------------|------------|-------------|
| Thickness                         | mm                | 12.5       | ASTM C 1396 |
| Density                           | Kg/m <sup>3</sup> | 720        | ASTM C 1396 |
| Weight per unit area              | Kg/m <sup>2</sup> | 8.5-9      | ASTM C 1396 |
| Tolerance of length               | mm                | 2399 (±1)  | ASTM C 1396 |
| Tolerance of width                | mm                | 1200 (0-2) | ASTM C 1396 |
| Tolerance of thickness            | mm                | 12.5 (±2)  | ASTM C 1396 |
| Ends squareness                   | mm                | ±2         | ASTM C 1396 |
| Depth of taper                    | mm                | 0.7-1.1    | ASTM C 1396 |
| Width of taper                    | mm                | 40-45      | ASTM C 1396 |
| Core hardness                     | N                 | 110-180    | ASTM C 1396 |
| Edges hardness                    | N                 | 110-180    | ASTM C 1396 |
| Ends hardness                     | N                 | 110-180    | ASTM C 1396 |
| Flexural breaking load long edge  | N                 | 600-650    | ASTM C 1396 |
| Flexural breaking load short edge | N                 | 220-240    | ASTM C 1396 |
| Nail pull strength                | N                 | 380-450    | ASTM C 1396 |
| Moisture content                  | %                 | 5-10       | ASTM C 1396 |
| Flame spread index (FSI)          | -                 | 0          | ASTM E 84   |
| Smoke development index (SDI)     | -                 | 0          | ASTM E 84   |

## RECOMMENDATION

- Cutting and scoring are completed from the front face of the board.
- Use phosphate plated self-tapping screws with a metal frame <0.7mm for board fixing.
- Use phosphate plated self-drilling for a metal frame >0.7mm for board fixing.
- Vertical screw spacing for the first layer of gypsum is 25cm, 50cm for the second, and 75cm for the third.
- It is recommended to use Gcoat™ All Purpose Joint Compound to treat joints or for skim coating.

## STORAGE AND HANDLING

- Avoid contact with moisture.
- Store in a dry/ventilated area above ground level (not in direct contact with the ground).
- Do not expose the board to extremely high temperatures (50°C) for prolonged periods of time.
- Cover boards with plastic sheets.
- Avoid direct rain or sunlight.
- Avoid cracking or damaging the boards during installation.