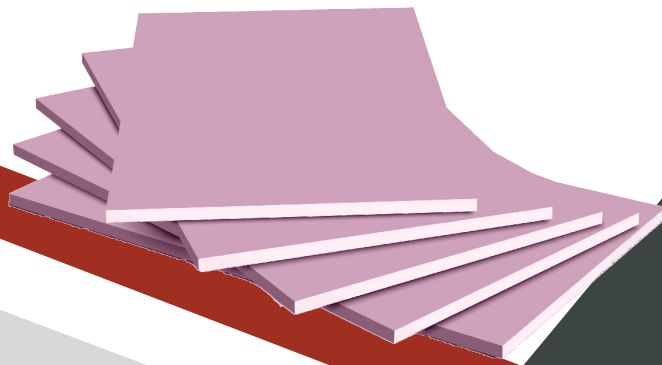




Certified MS
ISO 9001:2015
No. Cert. 1118/Δ/2019



DESCRIPTION

Gboard® 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® FR has a pink color paper face.

Gboard® 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 1220mm
Cladding (wallpaper, vinyl, wood...)	Tapered edge	ASTM C473	Length 2000mm, 2400mm, 2440mm, 2500mm, 3000mm
Joint filling with Gcoat™ All Purpose Joint Compound	Beveled edge	ASTM E84	Thicknesses 8.0mm, 9.5mm 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 ³	720	ASTM C 1396
Weight per unit area	Kg/m ²	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.

The information herein and recommendations set forth are presented in good faith and believed to be correct as of the date hereof, ECOBAT For Industrial Development, and its affiliated, and sister companies do not make representations or warranties as to the completeness or accuracy thereof.

Information is supplied upon the condition that the persons receiving the same will make their own determination as to its suitability for their purpose prior to use. In no event will ECOBAT For Industrial Development and its affiliated and sister companies be responsible for indirect, consequential, or incidental damages arising out of the use of, or inability to use this product. Our liability, if any, shall be capped to the price of the product purchased.

All specifications reflect averages derived from product sample testing and are provided as guidance only. They are subject to inherent variances and may be changed without notice to improve reliability, function, or design or otherwise.

Manufactured according to ASTM & EN standards by ECOBAT For Industrial Development.