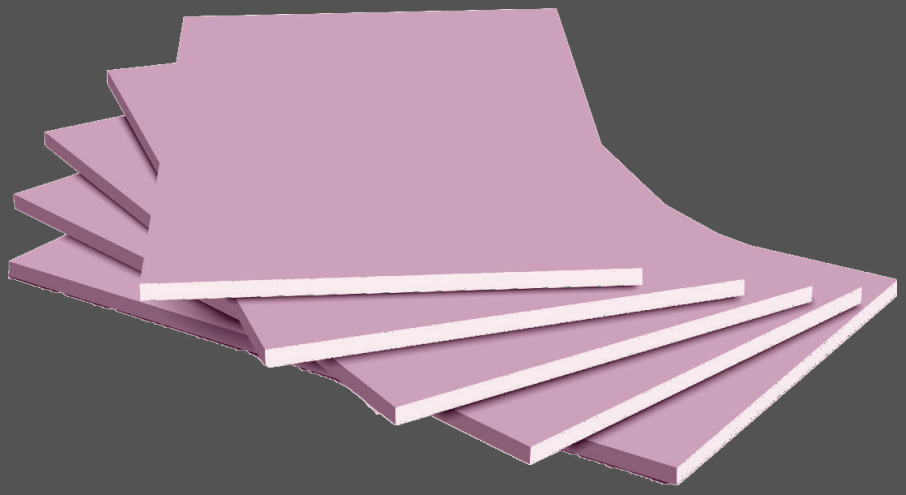
BATEC

GBOARD® FR



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	EN520	Width 1200mm
Cladding (wallpaper, vinyl, wood…)		EN520	Length 2000mm
Joint filling with Gcoat™ All Purpose Joint Compound	Tapered edge	EN520 EN520	Thicknesses 9.5mm, 12mm, 12.5mm, 15mm, 15.9mm, 18mm
			*Varying dimensions available upon request

Batiment Technique – BATEC, Hesya Industrial City, Homs, Syria
Tel : +963 987 215 617 www.batecgroup.com

PHYSICAL SPECIFICATIONS

SPECIFICATIONS	UNIT	VALUE	STANDARD
Thickness	mm	12.5	En520
Density	Kg/m^3	650	En520
Weight per unit area	Kg/m^2	8	En520
Tolerance of length	mm	2000±2	En520
Tolerance of width	mm	1200±1	En520
Depth of taper	mm	0.5-1.9	En520
Width of taper	mm	35-45	En520
Squareness of edges	mm/m	1.2	En520
Core hardness	N	150	En520
Edges hardness	N	130	En520
Ends hardness	N	137	En520
Longitudinal flexural breaking load	N	550	En520
Transverse flexural breaking load	N	200	En520
Nail pull strength	N	350	En520
Thermal conductivity	W/m.K	0.168	En520
Flame spread index (FSI)	-	70	En520
Smoke development index (SDI)	-	400	En520

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, BATEC-Batiment Technique, and its affiliated, and sister companies do not make representations or warranties as to the completeness or accuracy thereof.

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Manufactured according to ASTM & EN standards by BATEC-Batiment Technique under BEAM Consolidated.