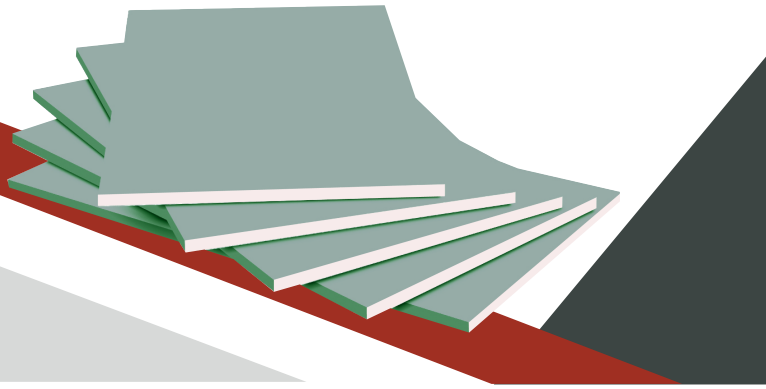
Gboard® ADVANCED MR

BEAM CONSOLIDATED



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

DESCRIPTION

Gboard® Advanced MR is classified as an H1 board having the lowest percentage (<5 %) of water absorption. A superior moisture resistant gypsum board with silicon oil in the core acting as a water repellent, Gboard® Advanced MR's core is highly resistant to moisture.

Gboard® Advanced MR has a green paper face with a higher core density increasing its moisture resistance properties. It is a perfect suit for areas of high humidity as it provides impeccable protection against moisture exposure.

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

APPLICATIONS

- Wall cladding
- Suspended ceiling systems
- Commercial and residential buildings
- Any area subject to high humidity
- Kitchen, bathrooms, utility rooms…

FEATURES

- Extremely low moisture absorption
- Suitable sound insulation
- Thermally balanced
- High strength and resistance to cracks
- Lightweight

Durable | Eco-friendly | Moisture resistant | 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 C 473	Length 2000mm, 2400mm, 2440mm, 2500mm, 3000mm
Joint filling with Gcoat™ All Purpose Joint Compound	Beveled edge	ASTM C 518	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	756.48	ASTM C 1396
Weight per unit area	Kg/m^2	9.36	ASTM C 1396
Tolerance of length	mm	2401	ASTM C 1396
Tolerance of width	mm	1200	ASTM C 1396
Tolerance of thickness	mm	12.5	ASTM C 1396
Depth of taper	mm	1.21	ASTM C 1396
Width of taper	mm	42.23	ASTM C 1396
Squareness of edges	mm	1.7	ASTM C 1396
Core hardness	N	231	ASTM C 1396
Edges hardness	N	205	ASTM C 1396
Ends hardness	N	221	ASTM C 1396
Flexural breaking load long edge	N	506	ASTM C 1396
Flexural breaking load short edge	N	205	ASTM C 1396
Nail pull strength	N	372	ASTM C 1396
Bending radius	mm	1895	ASTM C 1396
Humidified deflection	mm	1.2	ASTM C 1396
Thermal conductivity	W/m.K	0.1622	ASTM C 518
Water absorption	%	<5	ASTM C 1396

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.

STORAGE AND HANDLING

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

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

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