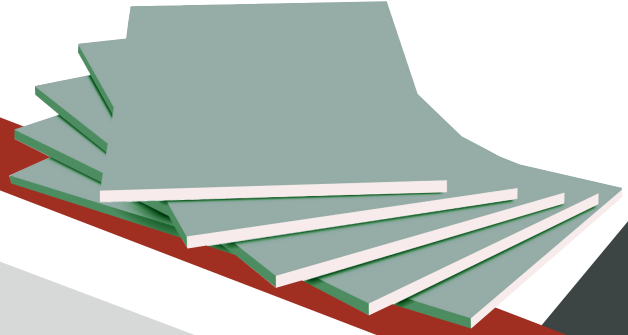


BEAM CONSOLIDATED Gboard® MR-H3



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



DESCRIPTION

Gboard® MR H3 is a moisture resistant board with silicon oil in the core having an average percentage, between 10 and 25 %, of water absorption. The oil acts as a water repellent rendering the core more resistant to moisture. Gboard® MR H3 is the perfect suit for areas of high humidity.

Gboard® MR H3 is composed of the best quality gypsum, non-toxic minerals, and moisture repellent additives which suit health conditions.

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



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 EN 520	Thicknesses 8.0mm, 9.5mm 12.5mm, 15mm, 15.9mm, 18mm

*Varying dimensions available upon request

APPLICATIONS

- Reception areas
- Meeting rooms, conference rooms
- Cafeterias, restaurants
- Toilets, humid areas
- Showrooms, office buildings
- Malls, lounges, shops

FEATURES

- Thermally balanced
- Highly resistant to cracks
- Low moisture absorption rate
- Suitable sound insulation
- Easy to handle and install
- Lightweight
- Eco-friendly, recyclable



Moisture
resistant



Durable



Sound
insulation



No cracking

PHYSICAL SPECIFICATIONS

SPECIFICATIONS	UNIT	VALUE	STANDARD
Thickness	mm	12.5	ASTM C 1396
Density	Kg/m ³	704	ASTM C 1396
Weight per unit area	Kg/m ²	8.8	ASTM C 1396
Tolerance of length	mm	2401	ASTM C 1396
Tolerance of width	mm	1200	ASTM C 1396
Tolerance 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	155	ASTM C 1396
Edges hardness	N	145	ASTM C 1396
Ends hardness	N	155	ASTM C 1396
Flexural breaking load long edge	N	595	ASTM C 1396
Flexural breaking load short edge	N	255	ASTM C 1396
Nail pull strength	N	472	ASTM C 1396
Bending radius	mm	1895	ASTM C 1396
Humidified deflection	mm	1.2	ASTM C 1396
Thermal conductivity	w/m.k	0.1782	ASTM C 518
Water absorption	%	H3<25	EN 520

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 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.

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.