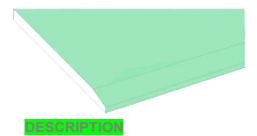


EL KHAYYAT GYPSUM COMPANY

TECHNICAL DATASHEET

12.5mm MR - BOARD



EL-KHAYYAT MR (Moisture Resistance) Board is for use in areas where moisture exposure is possible. The board is stronger, harder, and heavier than Regular plasterboard and has superior moisture resistance.

The face paper is folded around the long edges to reinforce and protect the core, and the ends are square-cut and finished smooth. Long edges of the panels are tapered.

BASIC USES

Applications

• Use it on steel-framed construction for interior wall and ceiling applications.

Advantages

- Suitable for all interior applications, including walls and ceilings. Also use it as a tile backerboard in dry areas and in areas with moisture.
- It is dimensionally stable and resists sagging, buckling, and warping.
- The panel features a naturally noncombustible gypsum core and 100% recycled facing and backing paper that will accept most decorative finishes.
- Easily scored and snapped to exact size without sawing.

Applicable Standards and References

ASTM C473 Standard Test Methods for Physical Testing of Gypsum Panel Products

ASTM C518 Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus

ASTM C1396 Standard Specification for Gypsum Board ASTM C840 Standard Specification for Application and Finishing of Gypsum Board

ASTM E84 Standard Test Method for Surface Burning **EN 520** Type A and H1 standard for performance of gypsum plasterboards

PHYSICAL PROPERTIES

Thickness 12.5mm

Sizes 1200mm x 2400mm 1200mm x 3000mm

Edge: Tapered, Squared

Board weight: 12.5 mm X 2400 mm x1200 mm (29.40 kg)

Flexural Strength to BS EN 15283-1:

Longitudinal breaking	≥ 680N
Transverse breaking load	≥ 310N
Humidified Deflection	3mm
Nail Pull Resistance (N)	376
Hardness Core (N)	266
Hardness Edges (N)	274
Hardness Ends (N)	281

Mass:

12.5 mm board (10.80 kg/m²) – (860 kg/m³) density

Thermal Resistance, R: 12.5 mm = 0.066 m2K/W

Moisture Resistance:

Maximum water uptake after 2h total immersion in water: < 3%

Fire-Resistance Characteristic:

Core Type	Туре С
Combustibility ²	Non-combustible Core
Surface Burning Characteristics	Class A
Flame Spread ³	15
Smoke Development ³	0