



**DESCRIPTION**

EL-KHAYYAT IMPACT (Impact Resistance) Board is dense plasterboard for use in areas where high technical performance is required. The board is stronger, harder, and heavier than Standard plasterboard and has superior fire resistance, sound insulation and impact 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.
- Fire-resistant material up to four hours
- 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
- ASTM D3273** Standard Test Method for Resistance to Growth of Mold on the Surface
- EN 520** Type D, F, I and R standard for performance of gypsum plasterboards

**PHYSICAL PROPERTIES**

**Thickness**

15mm

**Sizes**

1200mm x 2400mm

1200mm x 3000mm

**Edge:**

Tapered, Squared

**Board weight:**

15 mm X 2400 mm x1200 mm (37.40 kg)

**Flexural Strength to BS EN 15283-1:**

Longitudinal breaking  $\geq 870N$

Transverse breaking load  $\geq 360N$

Humidified Deflection 3mm

Nail Pull Resistance (N) 563

Hardness Core (N) 317

Hardness Edges (N) 326

Hardness Ends (N) 300

**Mass:**

15 mm board (13 kg/m<sup>2</sup>)

**Thermal Resistance, R:**

15 mm = 0.060 m<sup>2</sup>K/W

**Moisture Resistance:**

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

**Fire-Resistance Characteristic:**

Core Type	Type X
Combustibility	Non-combustible Core
Surface Burning Characteristics	Class A
Flame Spread <sup>3</sup>	15
Smoke Development <sup>3</sup>	0