

# MADA PLUS IMPACT RESISTANT PLASTERBOARD

### Product Description

Mada Plus Plasterboards are produced from high purity natural gypsum core being sheeted in a closely adhering best selected paper liners. Mada Plus Impact Resistant Plasterboard consists of a high density reinforced gypsum core with glass fibers and special additives encased in a very heavy natural finish strong paper liners. It is specially designed to provide exceptional impact resistant, non-combustibility & fire resistance.

### Field of Application

Mada Plus Impact Resistant Plasterboard is used in areas subjected to crowd pressure and impact damage Ex: Corridors & Circulation areas in Residential Buildings, Commercial Buildings, Hospitals, Airports, Educational Institutions and other such applications.



*“MGC reserves the right to update technical parameters as per its own discretion. For official use of this TDS please consult Mada Technical department”*

### Manufacturing Standards

Mada Plus Plasterboards are produced to ASTM C1396 / C1396M Type X & EN 520 Type D, F, I & R standards. Tested accordance to ASTM 1629, ASTM E84 & ASTM 473

*“Part of Mada Plus Drywall System: System performance warranty only by using the proposed Mada plus system products.”*

### Product Characteristics

- Length : Standard length is 2400mm & 3000mm. Special length is 1800mm to 4500mm
- Width : 1200mm & 1220mm.
- Thickness : 9.5mm, 12.5mm, 15mm & 16mm.
- Edge : Tapered, Square, Beveled & Round.
- Color : Yellow / Grey
- Fire Rating (Mada System application) - Tested as per ASTM E119
- Acoustic Rating (Mada System application) - Tested as per ASTM E90

### Technical Specification

ASTM C473-06a	Plaster Board Thickness (mm)			
Parameters	9.5	12.5	15	16
Weight (kg / m <sup>2</sup> ) +/- 0.2	9.78	12.87	15.45	16.48
Min Board Density (kg / m <sup>3</sup> )	1029	1029	1030	1030
Flame Spread Index	Nil	Nil	Nil	Nil
Smoke Developed Index	Nil	Nil	Nil	Nil
Asbestos (% by weight)	Nil	Nil	Nil	Nil
Flexural Strength (N)(I)	>400	732	756	895
Flexural Strength (N)(II)	>160	410	459	488
Nail Pull Resistance (N)	>260	565	590	615

### Material Storage & Handling Conditions

- Mada Plus Plasterboards to be stored on pallets or on a pack of boards and supported evenly on a firm, dry, level and structurally sound floor. Load up to 4 pallets of Plasterboards on each other.
- Do not store any other material on top of Plasterboards.
- Protect Plasterboards from direct rain, sunlight or other extensive weather conditions.
- Mada Plus Plasterboards to be stored in dry area inside the building which is ready to receive drywall fixings.

### Material Packing Details

Board Thickness	Boards Per Pallet
9.5 mm	90
12.5 mm	66
15.0 mm	54
16.0 mm	54