

# MADA PLUS MOISTURE RESISTANT PLASTERBOARD

## Technical Data Sheet

TDS-PB-R03-Rev1 Mada Plus Moisture Resistant - May 2022



### Advantage



Light weight construction, easy & fast installation



Sound & thermal insulation



Improved strength & sag resistant



Fire protection



Easy finishing



Mold resistance

### Product Description

Mada Plus Moisture Resistant Plasterboards are the lightweight solution for most standard internal wall and ceiling applications where Moisture Resistant properties are required. The high purity gypsum core utilizes fiberglass for increased strength and improved sag-resistance, which is then sheeted with the highest quality paper lining for a superior finish.



## TECHNICAL DATA SHEET

### Field of Application

- Residential buildings.
- Commercial buildings.
- Hospitals.
- Airports.
- Educational settings.
- Light industrial and manufacturing projects.

### Manufacturing Standards

- Mada Plus Moisture Resistant Plasterboards are designed and produced to ASTM C1396 / C1396M and EN 520 Type H1 standards.
- Mada Plus Moisture Resistant Plasterboard has been tested in accordance with ASTM E84 and ASTM C473.
- Fire Rating (Mada System application) - Tested as per ASTM E119.
- Acoustic Rating (Mada System application) - Tested as per ASTM E90.
- Volatile Organic Compound (VOC) - Tested as per CDPH Standard Method v1.2.



*Tested and Certified as part of complete Mada System to ASTM E119 for Fire Rated Systems*

### Product Characteristics

- Length: Standard length is 2400mm, 2440mm & 3000mm. Special length is 1800mm to 4500mm.
- Width: 1200mm & 1220mm.
- Thickness: 12.5mm, 16mm. Special thickness: 15mm.
- Edge: Tapered, Square, Beveled.
- Color: Green / Grey.

Note: For customized product requirements, contact Mada technical department.

### Technical Specification

Parameters	Applicable standard	Plasterboard Thickness		
		12.5mm	15mm*	16mm
Weight (kg/m <sup>2</sup> )	± 0.2	9.8	12.5	12.5
Board Density (kg/m <sup>3</sup> )	Minimum	768	820	769
Flexural Strength (N) (Longitudinal)	ASTM C1396	≥ 476	≥ 585	≥ 654
	EN 520	≥ 550	≥ 650	≥ 688
Flexural Strength (N) (Transverse)	ASTM C1396	≥ 157	≥ 193	≥ 207
	EN 520	≥ 210	≥ 250	≥ 269
Nail Pull Resistance (N)	ASTM C1396	≥ 327	≥ 374	≥ 390
Water Absorption (%)	ASTM C1396	≤ 5		
	EN 520	H1		
Asbestos (% by weight)	-	No asbestos fibers detected		

\*Special Requirements

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