

# MADA MOISTURE RESISTANT PLASTERBOARD

## Technical Data Sheet

TDS-PB-R09-Rev1 Mada Moisture Resistant - May 2022



### Advantage



Light weight construction, easy & fast installation



Sound & thermal insulation



Easy finishing



Mold resistance

### Product Description

Mada Moisture Resistant Plasterboards are produced from a high purity gypsum core with moisture resistant additives, all sheeted with the highest quality paper for a smooth and superior finish. Ideal for standard internal wall and ceiling applications where Moisture properties are required.

### Field of Application

Mada Moisture Resistant Plasterboards are used in Residential and Commercial Buildings, Hospitals, Airports, Educational Institutions and other such applications.



## TECHNICAL DATA SHEET

### Manufacturing Standards

Moisture Resistant Board	Board Thickness	ASTM C1396 / C1396M	EN 520 Type H
	8mm	√	√
	9.5mm	√	√
	12.5mm	X	√
	15mm*	√	√
	16mm	√	√
	18mm	√	√

\*Special Requirements

### Product Characteristics

- Length: 2400mm.
- Width: 1200mm.
- Thickness: 8mm, 9.5mm, 12.5mm, 16mm, 18mm. Special thickness: 15mm.
- Edge: Tapered, Square, Beveled.
- Color: Green / Grey.

Note: For customized product requirement, please contact Mada technical department.

### Technical Specification

Parameters	Applicable Standard	Plasterboard Thickness					
		8mm	9.5mm	12.5mm	15mm*	16mm	18mm
Weight (kg/m <sup>2</sup> )	± 0.2	6.0	6.2	7.2	11.4	11.4	12.8
Board Density (kg/m <sup>3</sup> )	Minimum	725	632	560	747	700	700
Flexural Strength (N) (Longitudinal)	ASTM C1396	≥ 279	≥ 343	≥ 476	≥ 585	≥ 654	≥ 717
	EN 520	≥ 344	≥ 400	≥ 550	≥ 650	≥ 688	≥ 774
Flexural Strength (N) (Transverse)	ASTM C1396	≥ 94	≥ 116	≥ 157	≥ 193	≥ 207	≥ 235
	EN 520	≥ 134	≥ 160	≥ 210	≥ 250	≥ 269	≥ 302
Nail Pull Resistance (N)	ASTM C1396	≥ 225	≥ 249	N/A	≥ 374	≥ 390	≥ 420
Water Absorption, %	EN 520	H3 < 25% (H2 < 10% available on request)					
Flame Spread Index	ASTM E84	25 or less					
Smoke Developed Index	ASTM E84	450 or less					
Asbestos (% by weight)	-	No asbestos fibers detected					

\*Special Requirements

### Finishing

For the highest quality finish, we recommend Mada finishing products.

All painting products and systems must follow the recommendations and requirements outlined in the Appendices of ASTM C840. For priming, texture, paint, and wallcovering finishes, always follow manufacturer's directions for proper use.

All surfaces and applied jointing compound must completely dry, dust free, and gloss-free.



## TECHNICAL DATA SHEET

### Finishing

Prime surfaces with an undiluted, high-solids content, interior flat latex paint, and allow to dry thoroughly before painting or applying other finishes.

Where gypsum panel walls and ceilings are subject to critical natural or artificial lighting, skimming the entire wall surface with jointing compound can improve fastener concealment. Skimming before painting will equalize the tension and suction differences between the paper and the jointing compound.

### Handling and Storage

- Mada Plasterboards must be stored on a firm, dry, and structurally sound flooring assembly, using pallets or board packs to avoid direct contact with the floor and moisture sources.
- Never stack Plasterboard pallets higher than 4 pallets in height.
- Do not store other materials on top of Plasterboard pallets.
- Protect Plasterboards from direct rain, wind, sunlight, or other inclement weather conditions.

### Limitations

- Avoid Plasterboard exposure to sustained temperatures above 52°C (125°F).
- Avoid excessive, repetitive, or continuous exposure to moisture before, during, and after installation. Eliminate moisture sources immediately.
- 12.5mm Moisture Resistant Plasterboard is not suitable for reprocessing (i.e lamination, perforation). Mada Plus Moisture Resistant Plasterboard 12.5mm is recommended for such applications.

### Precautions for safe handling

- Minimize dust generation for sawing or sanding purposes in poorly ventilated areas.
- When working with individual sheets, always work from a single pallet, do not pull from stacks.
- Avoid eye contact – refer to Safety Data Sheet for hazard identifications and personal protective equipment.
- Will not support body weight between rafters, joists, and framing members.
- Manual handling – sheets can be awkward without using an appropriate lifting technique. The weight of each sheet can vary based on different size and thickness factors.
- Mechanical handling – Pallet dimensions will vary, depending on the size of the plasterboards. To avoid overloading the lift truck, always check the palletized load weight provided within the weight tables.

### Conditions for safe storage, including any incompatibilities

Storage - Store on pallets supplied in dry conditions. To maintain stability place pallets on firm level ground and ensure that stacks are both level and vertical.

The maximum stack heights on level concrete on level concrete floors and vertical stacks are as follows:

Board width (mm)	Board length (mm)	Pallet stack height pack
1200	2400	4

### Material Packing Details

Thickness	8mm	9.5mm	12.5mm	16mm	18mm
Boards per Pallet	70	90	72	54	54

Note: Pallet weight may vary depending on packing (protection board, spacers ...).