

MADA FIRE & MOISTURE RESISTANT PLASTERBOARD

Technical Data Sheet

TDS-PB-R07-Rev1 Mada Fire & Moisture Resistant - May 2022



Advantage



Light weight construction, easy & fast installation



Sound & thermal insulation



Easy finishing



Mold resistance

Product Description

Mada Fire and Moisture Resistant Plasterboards are produced from high purity natural gypsum core with fibre glass for increased strength and improved sag-resistance, as well as additives and binders for fire and moisture resistance. Perfect for use in internal wall and ceiling applications where fire and moisture resistance are a requirement.

Field of Application

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



TECHNICAL DATA SHEET

Manufacturing Standards

	Board Thickness	ASTM C1396 / C1396M	EN 520 Type F & H
Fire and Moisture Resistant Board	12.5mm	√	√
	15mm*	√	√
	16mm	√	√
	18mm	√	√

*Special Requirements

Product Characteristics

- Length: 2400mm.
- Width: 1200mm.
- Thickness: 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			
		12.5mm	15mm*	16mm	18mm
Weight (kg/m ²)	± 0.2	9	11.8	11.8	13.3
Board Density (kg/m ³)	Minimum	704	773	725	728
Flexural Strength (N) (Longitudinal))	ASTM C1396	≥ 476	≥ 585	≥ 654	≥ 717
	EN 520	≥ 550	≥ 650	≥ 688	≥ 774
Flexural Strength (N) (Transverse)	ASTM C1396	≥ 157	≥ 193	≥ 207	≥ 235
	EN 520	≥ 210	≥ 250	≥ 269	≥ 302
Nail Pull Resistance (N)	ASTM C1396	≥ 327	≥ 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.

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