

MADA PLUS ACOUSTIC PLASTERBOARD

Technical Data Sheet

TDS-PB-R11-Rev1 Mada Plus Acoustic - May 2022



Advantage



Light weight construction, easy & fast installation



Sound & thermal insulation



Improved strength & sag resistant



Easy finishing



Mold resistance

Product Description

Mada Plus Acoustic Plasterboards are the lightweight solution for most standard internal wall and ceiling applications where higher acoustical properties are needed. 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 Acoustic Plasterboards are designed and produced to ASTM C1396 / C1396M and EN 520 Type D Standards.

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: Ivory / Grey.

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

Technical Specification

Parameters	Applicable standard	Plasterboard Thickness		
		12.5mm	15mm*	16mm
Weight (kg/m ²)	± 0.2	11.6	13.9	13.9
Board Density (kg/m ³)	Minimum	912	913	856
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
Asbestos (% by weight)	-	No asbestos fibers detected		

*Special Requirements

Test Data

Property		ASTM Test Method	Requirement	Mada Plasterboard
Noncombustibility		E136	Noncombustible	Meets
Core Hardness	Field	C473 (B)	Not less than 49 N	Meets
	End	C473 (B)	Not less than 49 N	Meets
	Edge	C473 (B)	Not less than 49 N	Meets
Flexural Strength	Transverse	C473 (B)	Not less than 157 N*	Meets
	Longitudinal	C473 (B)	Not less than 476 N*	Meets
Humidified Deflection	Wallboard	C473	Not greater than 32 mm*	Meets
	Ceiling Board	C473	Not greater than 8 mm*	Meets
Nail pull resistance		C473 (B)	Not less than 327 N*	Meets

* Per ASTM C1396 for 12.5mm gypsum wallboard and gypsum ceiling board

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