

MADA PLUS IMPACT RESISTANT PLASTERBOARD

Technical Data Sheet

TDS-PB-R05-Rev1 Mada Plus Impact 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 Impact Resistant Plasterboard offers impact resistance and fire resistance for high traffic areas. The high-density gypsum core is reinforced with glass fibers and special binding agents, and then sheeted with a thicker and stronger paper for extra durability.

TECHNICAL DATA SHEET

Field of Application

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

Manufacturing Standards

- Mada Plus Impact Resistant Plasterboards are designed and produced to ASTM C1396 / C1396M Type X and EN 520 Type F, D, R and I standards.
- Mada Plus Impact 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.
- Robustness of wall - Tested as per BS 5234-2:1992.
- Volatile Organic Compound (VOC) - Tested as per CDPH Standard Method v1.2.



CERTIFIED
CLEAN AIR GOLD



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: Yellow / Yellow.

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	12.1	15.2	15.2
Board Density (kg/m ³)	Minimum	952	1000	938
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

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