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MADA FIBER CEMENT BOARD



INTRODUCTION

Mada Fiber Cement Board is a high-performance, multi-purpose building solution engineered to meet the evolving demands of contemporary architecture, construction, and interior design. Crafted using the advanced Hatschek manufacturing process and cured through High-Pressure Steam Curing (HPSC) technology, the board delivers superior structural integrity, dimensional stability, and long-term durability—even in the most challenging environments.

Composed of a carefully balanced mix of special-grade cellulose fibers, Portland cement, fine silica, quartz, and proprietary mineral additives, Mada Fiber Cement Board is completely free from asbestos and meets stringent international standards including IS 14862:2000 (Type B, Category 3) and ASTM C1186 (Type B, Grade II). These certifications underscore its quality and reliability across a broad range of applications.

Designed with the needs of modern construction professionals in mind, Mada Fiber Cement Board combines aesthetic appeal with mechanical strength—making it the ideal substrate for both functional and decorative installations. Whether for residential, commercial, institutional, or industrial use, its versatility spans interior and exterior spaces, wet areas, and high-traffic zones.

From wall cladding and false ceilings to mezzanine floors, wet area linings, and high-impact partitions, the board adapts effortlessly across a variety of substrates and design styles. Its compatibility with the broader Mada System—including Mada framing profiles, jointing compounds, and sealants—ensures seamless integration, single-source assurance, and optimized performance at every stage of the project lifecycle.

Mada Fiber Cement Board is not just a panel—it's part of a complete, technically validated system designed to enhance speed, safety, and quality on-site.

RECOMMENDED APPLICATIONS

- Wall paneling
- False ceilings
- Mezzanine flooring
- Fire-rated and acoustic partitions
- Wet and external area cladding
- Kitchen cabinets and shelves
- Doors and door inserts

Functionality

- Design flexibility
- Quick installation
- Ideal for seismic zones
- Lightweight and easy to transport
- No need for deep civil foundations

System Integration

- Seamless compatibility with Mada finishing and framing systems
- Simplifies supply chain with single-source responsibility

Key Benefits

- Performance
- Fire resistant
- Moisture resistant
- Termite resistant
- High acoustic insulation
- Superior impact strength

Environmental & Safety

- 100% non-asbestos
- Microbial resistant
- Eco-friendly manufacturing
- Safe handling and minimal on-site waste



TECHNICAL SPECIFICATIONS

Specifications	Mada Fiber Cement Board
Dimension	2400 x 1200 mm
Thickness	6mm, 8mm, 9mm, 12mm, 15mm, 16mm, 18mm (Special thickness on demand)
Edges	Squared
Density	1.3± 0.05 g/cm ³
Flexural Strength (Wet)	> 7.0 MPa (Grade 2)
Water Absorption	< 35%
Water Tightness	PASS
Moisture Movement	0.04
Moisture Content	< 12%
Thermal Conductivity (at 250°C)	0.15 W/m·K
pH Value	7 - 8
Acoustic Rating (ASTM E90)	Tested (System Application)

Fire Resistance Properties

Combustibility	Class «0» - Non Combustible
Ignitibility	PASS
Fire Propagation Index	I = 0
Surface Spread of Flame	Class - 1

Application Matrix

Application (internal)	Thickness										
	4	6	8	9	10	12	14	16	18	20	25
False Ceiling	•	•	•								
Partitions			•	•	•	•					
Wall Paneling		•	•	•							
Mezzanine Flooring									•	•	•
Doors					•	•	•	•			
Wet areas					•	•					
Kitchen Cabinets / Wardrobes / Shelves							•	•			
Application (external)											
Prefab Structure			•	•	•	•					
Wall Cladding			•	•	•	•					
Sign Boards			•		•						
Roof Underlay						•	•	•			
Duct Covering						•					

HANDLING GUIDELINES

- Always carry boards by the long edge (width-wise) with two people (up to 4'x4') or four people (larger sizes).
- For 6mm or thinner boards, carry up to three sheets together. For thicker boards, one at a time.
- During transport, stack boards flat with protected corners and edges. Use sufficient packing material.
- Do not open the factory pack until needed. Remove strapping carefully to avoid edge damage.

Storage Recommendations

- Store boards horizontally on a flat, level platform raised 15 – 20 cm above the ground.
- Protect from direct sunlight, rain, and weather exposure. Cover with polythene if stored outdoors.
- Allow wet boards to dry naturally before installation.
- Stack boards up to 1 meter high per stack. Maintain 300mm gaps between adjacent stacks.



LOGISTICS & LOAD QUANTITIES

Board Size (mm)	Thickness	Qty per 1x20 FCL	Boards per Pallet
2400x1200	6 mm	835	97
2400x1200	9 mm	558	65
2400x1200	12 mm	418	48
2400x1200	18 mm	279	33

About Mada Gypsum Company

Established in 2005 in Yanbu, KSA, Mada Gypsum Company is a market leader in drywall solutions across Saudi Arabia and the wider MENA region. With a commitment to quality, system integration, and technical excellence, Mada offers a comprehensive range of gypsum and cement-based building solutions.

Product Portfolio

- Mada Boards: Regular, Fire, Moisture, Impact Resistant Boards, PROCEM, Fiber Cement Board.
- Mada Framing: C/U Studs, Tracks, Channels, Ceiling Systems.
- Mada Finishing: Jointing Compounds, Sealants, Plasters, Tapes.
- Accessories: Screws, Anchors, Brackets, Beads.

Mada Fiber Cement Board forms a key part of Mada's integrated system approach, delivering strength, reliability, and efficiency for today's construction needs.



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