

# FIBER CEMENT BOARD



# FIBER CEMENT BOARD

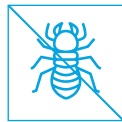
Mada Fiber Cement is a flexible and aesthetically pleasing product for the applications such as wall paneling, false ceiling, mezzanine flooring, fire rated partitions, acoustic partitions, wet area application, external area application, etc.

Mada Fiber Cement Board is a non-asbestos, autoclaved product manufactured using the Hatschek process: later the product is cured using HPSC technology. The curing is done using high pressure steam to attain the product strength and stability. Mada Fiber Cement Board is composed of composite matrix containing special grade Cellulose Fibers, Portland Cement, Fine Silica, Quartz and some mineral additives.

Mada Fiber Cement Board is manufactured to meet the requirements of IS 14862:2000, Type "B" Category "3" / ASTM C 1186 Type "B" Grade II. The product is mainly meant for interior applications and available in standard dimensions with smooth texture finish to meet the requirements of the modern building applications.

Mada Fiber Cement Boards are widely used for a variety of applications like wall Paneling, Partitions, False Ceilings, Mezzanine Flooring, Kitchen Cabinets & Shelves, External Cladding, Sidings, Facades, Gates Cladding, Doors & Door Panel Inserts, and Soffit etc.

# MADA FIBER CEMENT BOARD BENEFITS



Termite  
resistant



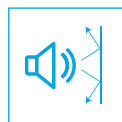
Fire  
resistant



Microbial  
resistant property  
with 100%  
Non-Asbestos



Eco-Friendly



Sound  
insulation



Moisture  
resistant



- Great looking permanent structures with in-built stability
- No compromise on strength and stability
- Fast construction
- Design Flexibility
- Great seismic resistance
- Multiple and wide applications
- No contingency cost
- Easy logistics, even in hilly areas
- Single source responsibility
- No deep civil foundation is required

# TECHNICAL AND PHYSICAL SPECIFICATION

No.	Board length mm	Units	Performance
1	Apparent Density	Kg/m <sup>3</sup>	>1200
2	Standard Weight (for 6mm)	Kg/m <sup>2</sup>	8.9
3	Thickness of Boards (range)	mm	4 to 25
4	Dimensions of the Boards	mm	1220 x 1830, 1220 x 2440, 1220 x 2745 and 1220 x 3050
5	Modulus of Rupture EMC - Minimum	MPa or N/mm <sup>2</sup>	10
6	Free Moisture Content	%	6
7	Water Absorption – 22Hrs.	%	36
8	Lamina Bond Strength	MPa or N/mm <sup>2</sup>	0.9
<b>Additional Characteristics</b>			
9	Thermal Conductivity (k) (30° C Mean Temperature)	W/m .K	0.172
10	pH Value		10.4
11	Screw Withdrawal (on face)	N	1220
12	Nail Withdrawal (on face)	N	1010

## MADA FIBER CEMENT BOARD APPLICATION MATRIX

Application (internal)	Thickness (mm)										
	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)	4	6	8	9	10	12	14	16	18	20	25
Prefab Structures			•	•	•	•					
Wall Cladding			•	•	•	•					
Sing Boards			•		•						
Roof Underlay						•	•	•			
Duct Covering						•					



# MADA FIBER CEMENT BOARD APPLICATION



## Handling

1. Boards should always be carried on long edges (width wise) by two (for less than 4 feet x 4 feet size) or four persons (for more than 4 feet x 4 feet size) to avoid damages to the board and excessive strain on people handling them.
2. While loading and unloading of board of 1.2m x 2.4m or more, it should be lifted by four people to support the four corners.
3. Maximum two to three sheets should be handled for thickness of 6 mm or less. For thickness higher than 6 mm, single sheet should be handled at a time.
4. During transportation, boards should be stacked flat, edges and corners fully protected and adequate packing material should be used on both bottom and sides.
5. Dirt settling on the textured surface of designer boards while cutting, sawing and screwing should be avoided.
6. Mada Fiber cement boards should be handled without opening the pack. While handling the board, care should be taken in removing packing strips to avoid damage to the board.

# MADA FIBER CEMENT BOARD APPLICATION



## Storage

1. Board must be stacked horizontally, never inclined, on a smooth and leveled surface, preferably 6 inches to 8 inches above the levelled surface.
2. Board should always be stored under adequately ventilated covered space without allowing direct exposure to sunlight, rain, etc. In case of non-availability of covered space, board should be covered with polythene sheets and must be stacked on pallets with proper stretch wrapping to protect from weathering forces.
3. If board gets wet or damp due to wrong storage, then it should be dried out in natural conditions before further handling. In any case, boards should be installed in position within 2-3 weeks of procurement.
4. Boards should be stacked to the maximum height of 3 feet or 1 meter per stack. Adjacent stacks should be stacked with minimum gap of 1 feet or 300 mm.

Mada Fiber Cement Board Size	Load Qty / 1x20 Fcl	No of Boards/ pallet
2400mm x 1200mm x 6 mm	835	97
2400mm x 1200mm x 9 mm	558	65
2400mm x 1200mm x 12 mm	418	48
2400mm x 1200mm x 18 mm	279	33



# ABOUT MADA GYPSUM COMPANY

Mada Gypsum Company was established in 2005 in Yanbu, Kingdom of Saudi Arabia. MGC is a leading manufacturer of drywall products in the Kingdom of Saudi Arabia, and one of the leaders in the MENA region. By following the strategy of providing high quality product and services with a system oriented approach, MGC has quickly established itself as the market leader in the Saudi market and one of the leading player in the GCC region. MGC also has a significant presence in Levant, Egypt & Indian markets.

MGC currently has a production capacity of 42 million m<sup>2</sup> of Plasterboard, 400,000 tons of plasters, 7.5 million m<sup>2</sup> of laminated gypsum Ceiling Tiles, 2 million m<sup>2</sup> of Cement Board and 9 million m of drywall profiles. In addition MGC has a significant production capacity of Gypsum Renders, French Molding, French Adhesive, and Jointing Compound. MGC also has the widest product range of any manufacturer in KSA.

## Mada Boards

- **Plasterboards**  
Regular, Fire Resistant, Moisture Resistant, Fire & Moisture Resistant, Impact Resistant, Shaft Board.
- **PROCEM (Cement Board)**
- **Mada Fiber Cement Board**
- **Ceiling tiles**

## Mada Framing

C Stud, U Track , Deflection Head Track, Fixing Channel, Maxi-tec.  
Shaft wall - CH Stud, E Stud, J Track, J Deflection Head Track. And  
Ceiling - Main Channel, Furring Channel, Wall Angle.

## Mada Finishing

- **Accessories**  
Fiber Joint Tape, Fire Guard sealant, Bracket, Finishing Beads, Insulations, Jointing Compound for both Plasterboard & Cement boards.
- **Dry Wall Screws & Anchors**  
Self-Tapping , Self-Drilling , PROCEM Self Drilling , Wafer Head, Hex Head Self Drill, Wedge Anchors, Trubolt, Drop-in anchors, Threaded Rods, etc.
- **Plasters & Renders**  
French Plaster, Standard Plaster, French Adhesive. Thin Coat Render, Hand Applied Render, Machine Render.
- **Mada Multi-Use Jointing Compound**  
Mada Multi-Use Jointing Compound contains vinyl binders and other ingredients that provide superior performance compared to ordinary ready mix products. Can be used directly from pail and requires minimal mixing, thinning, and re-tempering.
- **Mada PLUS PROCEM CEMENT Jointing Compound**  
Mada PROCEM Cement Jointing Compound is a 2-component high-adhesion, high-flexibility jointing material. A powder based on special cement and a secondary, liquid-based, acrylic polymer element with fibers and special additives. Used for jointing and finishing Mada PLUS PROCEM cement board.