

FCEM-BOARD

Advantage



Fire resistance



Termite resistance



Sound & thermal insulation



Easy to work with



Weather resistance



High impact strength



Easy to decorate



Radiation resistance



Chemical resistance

☐ FCEM-BOARD RANGES

- FCEM-BOARD RG (regular) is used for interior partitioning, dry lining, interior and exterior suspended ceilings. It can be installed in either direction in FCEM-BOARD systems while offering durable and reliable results with no required maintenance.
- FCEM-BOARD WP (waterproof) contains silica oil, it helps protect tile installations and wall cavties from
 moisture penetrations, eliminating the need to spend extra time applying waterproof coating across the
 entire surface area of your wall. Excellent waterproofing solution for external and interior use.
- FCEM-BOARD HD (high density) is a very firm and durable board with superior physical and mechanical properties. It can be used in external partitions and facades subjected to rain and wind pressures.

Туре	Width	Legth	Edge
CEM-BOARD RG	1200	2400-3000	SE/TE
CEM-BOARD WP	1200	2400-3000	SE/TE
CEM-BOARD HD	1200	2400-3000	SE/TE











FCEM-BOARD

■ PHYSICAL APPEARANCE

With meticulous design and continuous refinement, FCEM-BOARD is a versatile board that offers the texture of timber, stone, marble, and more whilst delivering the maintenance and durability of fiber cement boards.

Made from an advanced material that's five times thicker than typical vinyl cladding, FCEM-BOARD is fire, moisture, rot, and pest resistant. It's unaffected by rain and hail damage and can be installed to withstand winds.

From classic to contemporary, FCEM-BOARD will achieve the perfect look and finish of all interior or exterior projects.

Pattern	Thickness	Dimensions (LxW)
CEM-BOARD Mono	4.5-20 mm	1200 x 2400 mm (Special production and cutting are performed based on project requirements.)
CEM-BOARD Wood	8-20 mm	1200 x 2400 mm (Special production and cutting are performed based on projects requirements.)
CEM-BOARD Plaster	8-20 mm	1200 x 2400 mm (Special production and cutting are performed based on projects requirements.)
CEM-BOARD Stone	8-20 mm	1200 x 2400 mm (Special production and cutting are performed based on projects requirements.)
CEM-BOARD Line	8-20 mm	1200 x 2400 mm (Special production and cutting are performed based on projects requirements.)











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PHYSICAL SPECIFICATIONS

PROPERTIES	UNIT	Cboard® RG	Cboard® WP	Cboard® HD	STANDARD
Thickness	mm	12	12	12	ASTM C 1186
Density	Kg/m³	1309	1446	1730	ASTM C 1186
Flexural Strength Longitudinal Direction	MPa	12.7	16.86	22.04	ASTM C 1186
Flexural Strength Transverse Direction	MPa	7.24	11.05	12.19	ASTM C 1186
Water Absorption	%	31.98	<5	23.16	ASTM C 1186
Moisture Content	%	9.86	4.63	5.13	ASTM C 1186
Linear Change	%	0.09	0.03	0.04	ASTM C 1186
Direct Screw Withdrawal	Ν	742	677	492	ASTM C 1186
pH Value	-	9.9	9.91	10.47	ASTM C 1186
Thermal Conductivity	W/m.K	0.2135	0.1546	0.3274	ASTM C 518
Smoke Development Index (SDI)	-	5	5	5	ASTM E 84
Flame Spread Index (FSI)	-	0	0	0	ASTM E 84
Reaction to Fire	-	Class A	Class A	Class A	ASTM E 84











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■ TECHNICAL AND PHYSICAL SPECIFICATION

board length mm	Units	Performance					
Apparent Density	Kg/m3	>1200					
Standard Weight (for 6mm)	Kg/m2	8 .9					
T hickness of Boards (range)	mm	4to 25					
Dimensions of the Boards	mm	1220 X 1830, 1220 X 2440, 1220 x 2745 and 1220 x 3050					
Modulus of Rupture EMC - Minimum	MPa or N/mm2	10					
Free Moisture Content	%	6					
Water Absorption -22Hrs .	%	36					
lamina Board Stength	MPa or N/mm2	0.9					
Additional charactteristics							
Thermal Conductivity (k) (30° C Mean Temperature)	W/m.K						
p H Value		10.4					
Screw Withdrawal (on face)	N	1220					
Nail Withdrawal (on face)	N	1010					

■ APPLICATION MATRIX

	Thickness (mm)										
Application (internal)	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 structures											
Wall Cladding											
Sing Board											
Roof Underlay											
Duct Covering											







ISO 14001:2015
CENTRIED OCC
ENVIRONMENTAL MANAGEMENT SYSTEM
970424B



FCEM-BOARD

Handling and Storage

Handling

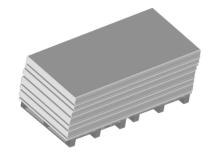
- 1. Boards should always be carried on long edges (width wise) by two (for less than 4 feet x 4 feet size) or four persons (for more than 4 feet x 4 feet size) to avoid damages to the board and excessive strain on people handling them.
- 2. While loading and unloading of board of 1.2m \times 2.4m or 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. 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.

Storage

300 mm.

- 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

Fiber cement Board Size	Load Qty / 1X20' FCL	No. Of board / 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













FCEM-BOARD



EL-THAGR COMPLEX – BUILDING NO. 2, APARTMENT 105, EL-NOZHA AIRPORT ROAD ,DHL BUILDING -5431001 , ALEXANDRIA, EGYPT..

Tel: +20 3 3832405 , +20 3 3832406 Fax: +20 3 3808003 E-mail: <u>sales@mada-trade.com</u> https://www.mada-trade.com/











