

FCB FIBER CEMENT-BOARD

FCB CEMENT - BOARD 1200 X 2400 X 12.5 TE

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BODOVA LTD.

FIBER CEMENT BOARD

FCB

Advantage



Fire
resistance



Termite
resistance



Sound &
thermal
insulation



Easy to
work with



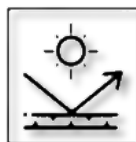
Weather
resistance



High
impact
strength



Easy to
decorate



Radiation
resistance



Chemical
resistance

FCB-BOARD RANGES

- FCB-BOARD RG (regular) is used for interior partitioning, dry lining, interior and exterior suspended ceilings. It can be installed in either direction in FCB-BOARD systems while offering durable and reliable results with no required maintenance.
- FCB-BOARD WP (waterproof) contains silica oil, it helps protect tile installations and wall cavities 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.
- FCB-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.

Type	Width	Length	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

FIBER CEMENT BOARD






FCB

☐ PHYSICAL APPEARANCE

With meticulous design and continuous refinement, FCB-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, FCB-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, FCB-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.)

FIBER CEMENT BOARD

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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/m ³	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	N	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

FIBER CEMENT BOARD

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TECHNICAL AND PHYSICAL SPECIFICATION

board length mm	Units	Performance
Apparent Density	Kg/m ³	>1200
Standard Weight (for 6mm)	Kg/m ²	8.9
Thickness of Boards (range)	mm	4 to 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/mm ²	10
Free Moisture Content	%	6
Water Absorption -22Hrs .	%	36
lamina Board Strength	MPa or N/mm ²	0.9
Additional characteristics		
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)										
	4	6	8	9	10	12	14	16	18	20	25
Application (internal)											
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					■						

FIBER CEMENT BOARD

FCB-BOARD

□ Handling and Storage

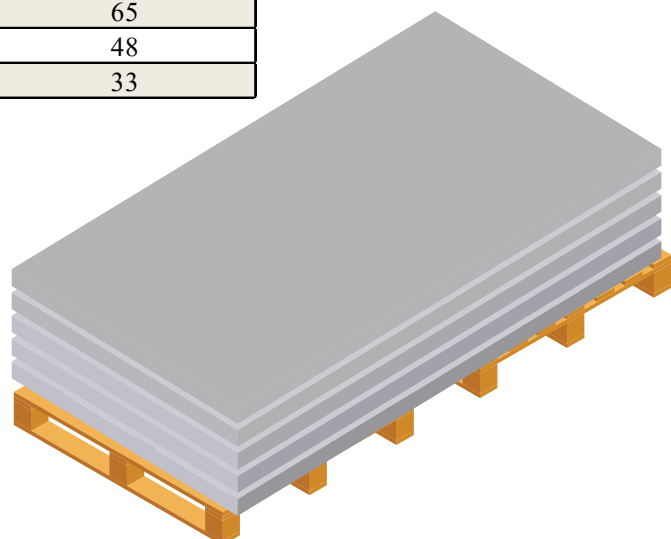
Handling

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 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. 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

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.

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



FCB - FLOORING

LINER FLOORING

FCB are made up with Higher density & Asbestos Free with cellulose Fiber, silica and cement core. The excellent characteristics of High Moisture Resistant and Mechanical Strength makes it an perfect backer board which can be used for Ceramic & Marble fixing at wet & External areas and also for kitchens, Shower Walls, Spa & Bathrooms

PROPERTIES		PERFORMANCE
Flexural Strength (Equilibrium Strength)		Grade 4 \leq :1 MPa / Grade 10 \leq :2 MPa
Water Absorption		\leq 34 %
Moisture Content		Up to 12 %
Moisture Movement		Up to 0.8 %
Fire Reaction		Flame Spread Index: 0 Smoke Developed Index: 10
Fire Resistant		Up to 3 Hr's (Based on System Configuration)
Sound Resistant (Isolation)		Up to 3 \pm 65 dB STC (Based on System Configuration)
Thickness (mm)	5 6 9 12 15 18 20	Edge & Finish □ Square Regular Finish □ Recessed Regular Finish
Width (mm)	600 - 1222	
Length (mm)	2400 - 3200	



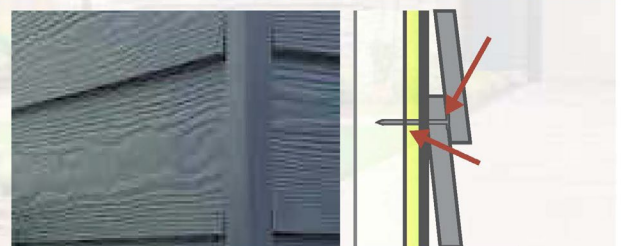
FCB PLANKS WOOD TEXTURE

FCB PLANKS WOOD TEXTURE

are made up with Higher density & Asbestos Free with cellulose Fiber, silica and cement core to experience a Rich Aesthetic Feel of Wood Texture with superior attributes.

PLANKS FOR EXTERNAL DECORATION SYSTEM

PROPERTIES		PERFORMANCE
Flexural Strength (Equilibrium Strength)		$4 \leq :1$ MPa
Water Absorption		$\leq 34\%$
Moisture Content		Up to 12 %
Moisture Movement		Up to 0.8 %
Fire Reaction		Flame Spread Index: 0 Smoke Developed Index: 10
Thickness (mm)	8 12	Edge & Finish: Square <input type="checkbox"/> Wood Texture Finish
Width (mm)	150 - 300	
Length (mm)	2500 - 3000	



FCB CEILING TILES

FCB CEILING TILES

are used for stable performance and light weight Decoration ceiling. And These Tiles are made with cellulose Fiber, silica and cement as major part in its core. This Ceiling Tiles are majorly used in wet & External areas and also for kitchens, Shower Areas, & Bathrooms.



PROPERTIES		PERFORMANCE
Flexural Strength (Equilibrium Strength)		$4 \leq :1$ MPa
Water Absorption		$\leq 34\%$
Moisture Content		Up to 12 %
Moisture Movement		Up to 0.8 %
Fire Reaction		Flame Spread Index: 0 Smoke Developed Index: 10
Thickness (mm)	5 6	Edge & Finish: Square  Oceanic Texture Finish
Width (mm)	595 603	
Length (mm)	595 603	

FCB



IDEAL
FOR



Building
Cantilevers



Soffits



Subway



Balconies



Underground
car parks

GENERAL FEATURES



Fireproof



Termite
Resistant



Dimensionally
Stable



Abrasion
Resistant



Waterproof



Frost
Resistant



Pressure
Resistant



Soundproof



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