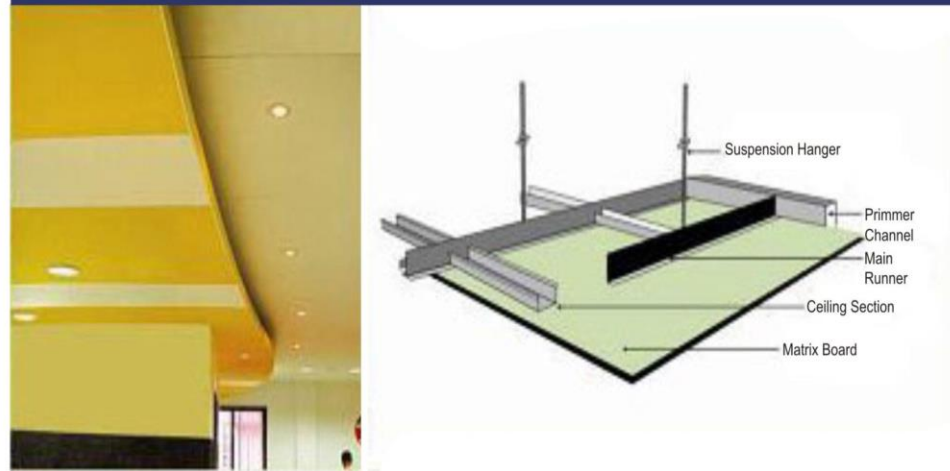


Matrix Fibre Cement Boards provide creative freedom to architects and designers to focus more on aesthetics along with functional attributes. With Matrix Fibre Cement Boards, you can create more innovative designs in finishes like wood/stone/brick... the possibilities are endless. These boards offer various advantages, from aesthetic appearance to durability when compared with traditional building materials. For wet area lining, we recommend Heavy Duty Boards and for dry wall, we recommend Multi Purpose Cement Boards.

MULTIPURPOSE CEMENT BOARDS

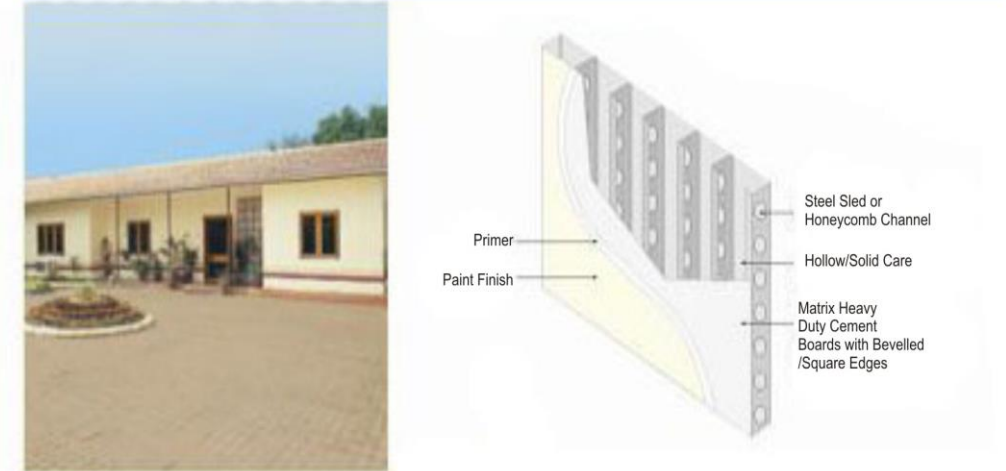
False Ceiling (4.5 mm, 6 mm)



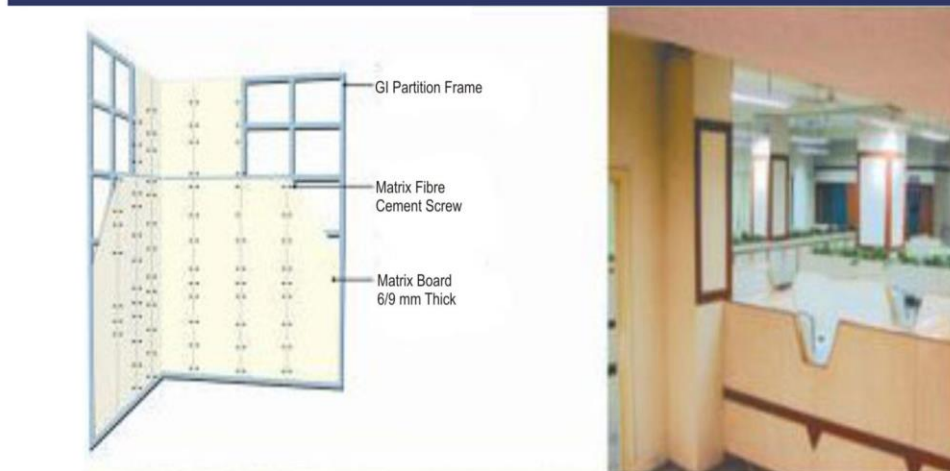
Wet Area Lining (6 mm, 9 mm)



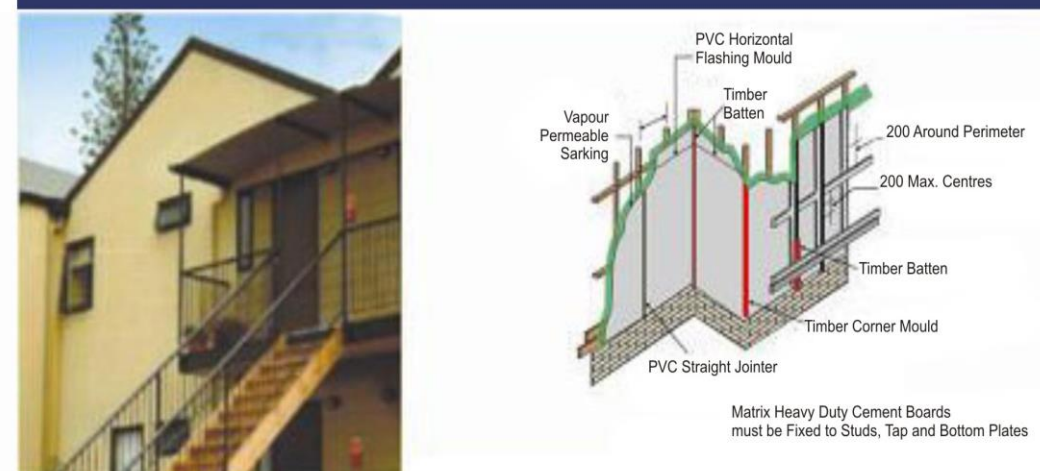
Hollow/Solid Core Panels for Prefab Construction (9 mm, 12 mm)



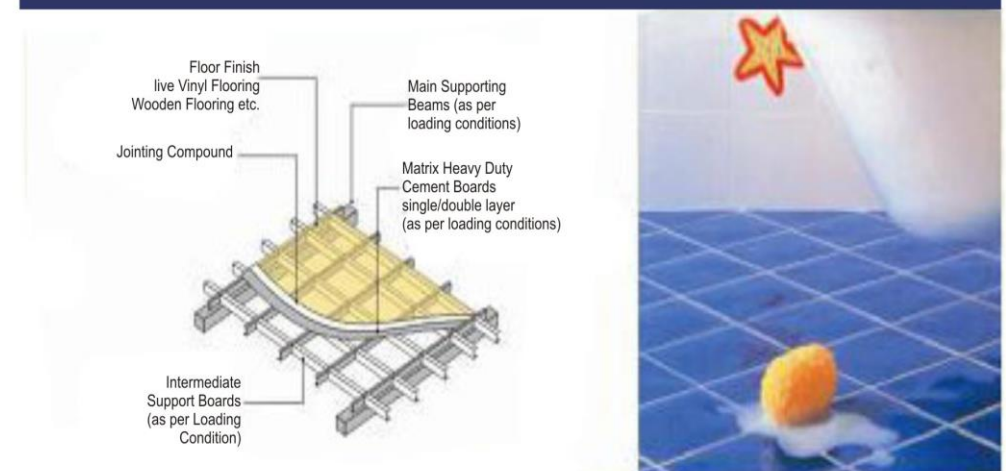
Dry Wall Partition (8 mm, 9 mm, 10 mm)



External Cladding/Bracing (9 mm, 12 mm)



Commercial Flooring (15 mm, 18 mm)



Internal Lining (8 mm, 9 mm, 10 mm)



Facade (9 mm, 12 mm)

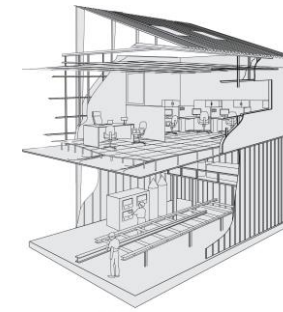


High Impact Dry Wall Partition (9 mm, 12 mm)



TECHNICAL & PHYSICAL SPECIFICATIONS OF FIBRE CEMENT BOARDS

I. Physical Properties	Results	Standards
Flexural Strength	14.0 N/mm ²	ASTM C1185
a. Flexlural Strenght (Along the Fibre)	8.1 N/mm ²	ASTM C1185
b. Flexlural Strenght (Across the Fibre)		
Modulus of Elasticity		
a. Modulus of Elasticity (Along the Fibre)	8726.3 N/mm ²	
b. Modulus of Elasticity (Across the Fibre)	6557.2 N/mm ²	
Adhesion / Lamina (Bond) Strength, average	15 N/mm ²	ASTM D 1037
Screw Withdrawl Strength		ASTM D 1037
a. Perpendicular to the Surface (Dry Condition)	1243.2 N	
b. Parallel to the Surface (Dry Condition)	791.2 N	
Compressive Strength, average	2.6 N/mm ²	ASTM D 1037
Apparent Density	1355.8 N/mm ³	ASTM C1185
II. Moisture Resistance Properties	Results	Standards
Moisture Content (at EMC)*	6.80%	ASTM C1185
Impact Strength	15600 N.mm	ASTM C1185
Thermal Conductivity	0.14 w/m ⁰ k	ASTM C518
Moisture Movement	6% - 8%	ASTM C1185
a. Length	-0.02%	
b. Width	-0.02%	
Water Absorption, average	31.30%	ASTM C1185
Water Tightness	No water droplets at the	ASTM C1185
Underside of sample		
III. Durability	Results	Standards
Water Impermeability	No drops after 24 hrs	ISO:8336 (Part E)
Frost Resistance (Freeze / Thaw Tests)	Passes in 25 cycles	ISO:8336 (Part E)
Warm Water	Passes in 25 cycles	ISO:8336 (Part E)
Soak Dry	Passes in 25 cycles	ISO:8336 (Part E)
Heal Rain	Passes in 25 cycles	ISO:8336 (Part E)
IV. Fire Resistance Properties	Results	Standards
(a) Surface Burning Characteristics		ASTM E 84
Time to Ignition (in sec)	No Ignition	0' is the best result
Flame Spread Index	0	
Smoke Developed Index	0	
(b) Resistance to Fire		BS: 476
Combustibility	Non-Combustible	Part 4
Ignitability	Class 'P' not easily ignited	Part 5
Fire Propagation Index	<3	Part 6 (Limit<12)
Surface Spead of Flame	Class-I	Part 7 ,(Class 1.4: =excellent)
Specific Optical Density of Smoke	<5	ASTM E 662
UK Building Regulations	Class '0'	
Note: *ASTM American Standard; BS British Standard; ***ISO - American Standards Organisation		
* Test Condition -Temp 23±2°C & Relative Humidity - 50±5% to 65±5%		
* EMC Equilibrium Moisture Condition i.e. Temp 23±2°C and Relative Humidity 70±15 Matrix range of Fibre Cement Boards are also tested as per		
AS. Australian Standard &*EN European Norm - selective Test Results available request		
All the above tests can be provided for Heavy Duty Boards on special request		



Termite Proof

MULTIPURPOSE CEMENT BOARDS

- Size**
- 3000 mm x 1200 mm
 - 2700 mm x 1200 mm
 - 2400 mm x 1200 mm

- Thickness**
- 4.5 mm, 6 mm, 9 mm, 12 mm & 18 mm

- Edge Profile**
- Square • Beveled

- Weight**
- 6 mm (thickness) - 8.95 Kg/m²



Moisture Resistant



Impact Resistant

HEAVY DUTY CEMENT BOARDS

- Size**
- 3000 mm x 1200 mm
 - 2700 mm x 1200 mm
 - 2400 mm x 1200 mm

- Thickness**
- 4 mm, 6 mm, 9 mm, 12 mm, 15 mm & 18 mm

- Edge Profile**
- Square • Beveled

- Weight**
- 6 mm (thickness) - 10.15 Kg/m²

Weather Resistant



Fire Resistant

SIDING

- Size**
- 3000 mm x 225 mm
 - 3000 mm x 210 mm
 - 3000 mm x 150 mm

- Thickness**
- 7.5 mm (Texture Variant)
 - 9 mm, 12 mm (Plain Variant)

- Edge Profile**
- Square



Eco-Friendly



Fire Resistant

DESIGNER CEMENT BOARDS

- Size**
- 2400 mm x 1200 mm
 - 595 mm x 595 mm

- Thickness**
- 6 mm

- Edge Profile**
- Square

- Weight**
- 6 mm (thickness) - 8.95 Kg/m²



Termite Proof

- Both Metric and Imperial systems are available.
- Tolerance Limits are guided by ISO 8336 and BSEN 12467.
- Special Sizes, Thicknesses and Calibrations can also be made available to meet specific requirements.
- Sanding, Hydrophobating, Special Coating can be carried out as per order.