

technical & physical specifications

(Vboard manufactured as per IS - 14862:2000, Type B Category '3')

S.No.	Properties	Units	Performance
Physical Characteristics			
1	Apparent Density	Kg/m ³	>1200
2	Standard Weight (For 6mm)	Kg/m ²	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
Mechanical Characteristics			
5	Modulus of rupture EMC - Minimum	MPa or N/mm ²	10
6	Free Moisture Content	%	6
7	Water absorption - 22 Hrs.	%	36
8	Lamina Bond Strength	MPa or N/mm ²	0.9
Additional Characteristics			
9	Thermal Conductivity (K) (30° C Mean Temperature)	W/m .k	0.172
10	pH value		10.4
11	Acoustic insulation	dB	8mm thick Vboard-29 dB
12	Screw Withdrawal (On face)	N	1220
13	Nail Withdrawal (On face)	N	1010

application matrix

Application	Thickness (mm)										
	4	6	8	9	10	12	14	16	18	20	25
Internal											
False Ceiling	✓	✓	✓								
Wall Partitions			✓	✓	✓	✓					
Wall Panelling		✓	✓								
Mezzanine Flooring									✓	✓	✓
Doors					✓	✓	✓	✓			
Wet areas					✓	✓					
Kitchen Cabinets								✓	✓		
External											
Prefab Structures		✓	✓	✓	✓	✓					
Wall Cladding		✓	✓	✓	✓	✓					
Sign Boards		✓		✓							

Visaka Industries Ltd. was promoted by Dr. G. Vivekanand in 1981 to manufacture Fibre Cement Roofing Sheets.

Today, the company has manufacturing plants across the country with a turnover of ₹925 crores, making it the second largest cement sheet manufacturer in India. The non-asbestos cement board & panel division was established in the year 2008. The company boasts of a massive portfolio with 8 Fibre Cement Roofing Sheet plants having manufacturing capacities of 8,30,000 MT per annum, 2 Vboard plants having manufacturing capacities of 1,20,000 MT per annum, a Vpanel plant having manufacturing capacity of 3,00,000 Sq.m., and a Textile Yarn plant. With a focused vision of revolutionizing modern construction as we know it, the company manufactures the highest quality products that are exported around the world.



visaka
industries limited

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Pune, Maharashtra, India.



From the house of



forget wood.
the next is here

Vboard

contact@pad.net.in | 11/13

Vboard

salient features



Vboard - strong as cement. better than wood.

Fiber cement boards have taken the international market by storm. The strong portfolio of advantages make the product widely endorsed and appreciated by architects and customers worldwide; many of them are replacing plywood with fiber cement boards. Fiber cement boards have been used in some of the iconic buildings of our time as they save time, money and being aesthetically more beautiful in their appeal.

Multiple uses of Vboard has taken fibre cement board utilities to the next level for use in interior as well as exterior applications.

manufacturing

Vboard is a Non Asbestos, autoclaved product. These fibre cement boards are manufactured by the Hatschek process; later the product is cured using HPSC technology. The curing is done under high pressure steam to attain the product's strength and stability. Vboard is composed of a composite matrix containing special grade cellulose fibres, ordinary Portland cement, fine silica, quartz, and some mineral additives.

Vboard is manufactured to meet the requirements of IS 14862:2000. They are available in standard dimensions with smooth and textured finishes to meet the requirements of modern building applications.

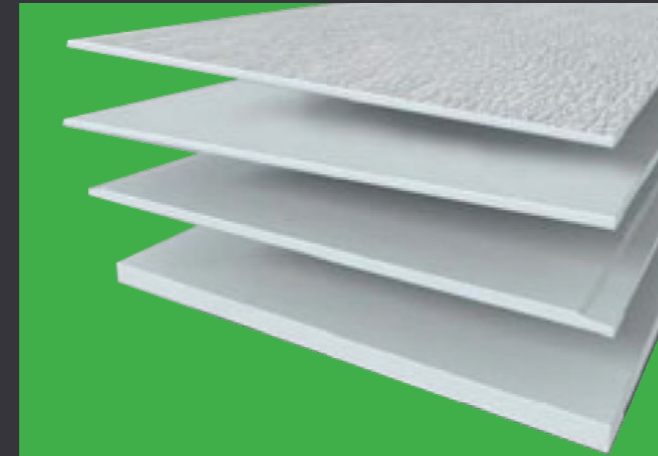
variants

Vboard is available for different application in following variants :

- ✓ Vpremium
- ✓ Vplank
- ✓ V-Designer Board with textured Surface Finish (V-Cedar, V-Stone, V-Oceanic, V-Lake & Hill)
- ✓ V-Ply
- ✓ V-Fire Resistant Board
- ✓ V-Tiles Backer Board

aesthetics

A beautiful home is an essential requirement and desire of any individual. Vboard can be craftfully used to decorate the home as per the taste and choice of the owner as it has innovative and multiple applications. The high aesthetic appeal of decorated Vboard can replace other substitutes like particle boards and wood based materials.



the Vboard advantage

- ✓ Exova warrington fire-rating certified
- ✓ Asbestos free
- ✓ Energy efficient
- ✓ Termite resistant
- ✓ Weather resistant
- ✓ Low shrinkage
- ✓ Easy workability
- ✓ Low operational cost
- ✓ Sound insulation
- ✓ Aesthetics with durability
- ✓ Eco-Friendly
- ✓ Value for money
- ✓ Water resistant

applications

Vboard is a flexible and aesthetically appealing product suitable for the following applications :



wall panelling

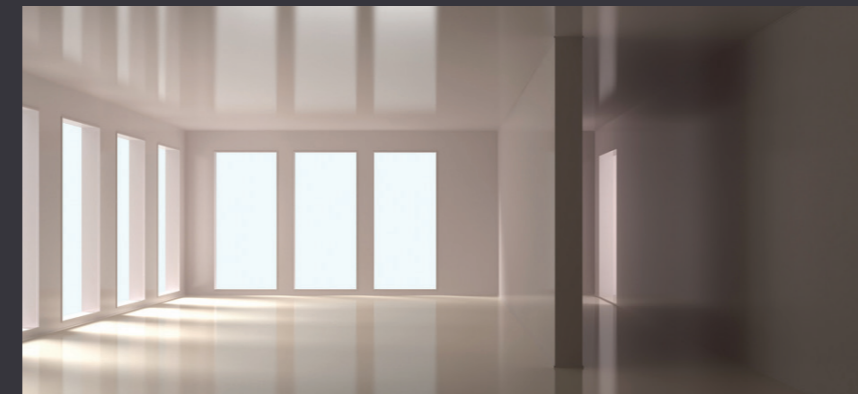
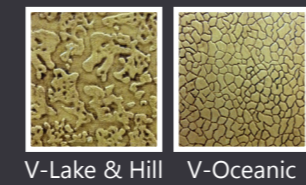
V-Designer Boards with textured surface finishes – "V-Cedar" and "V-Stone" are available as ready to use wall panels. Options of different surface finishes are possible using laminations, veneer, wall papers, etc. on Vboard.



false ceiling

Vboard and V-Designer Boards with textured surface finishes – "V-Oceanic" and "V-Lake&Hill" offer smart choices for modern false ceilings in commercial, industrial and residential applications.

4mm, 6mm, 8mm



mezzanine flooring

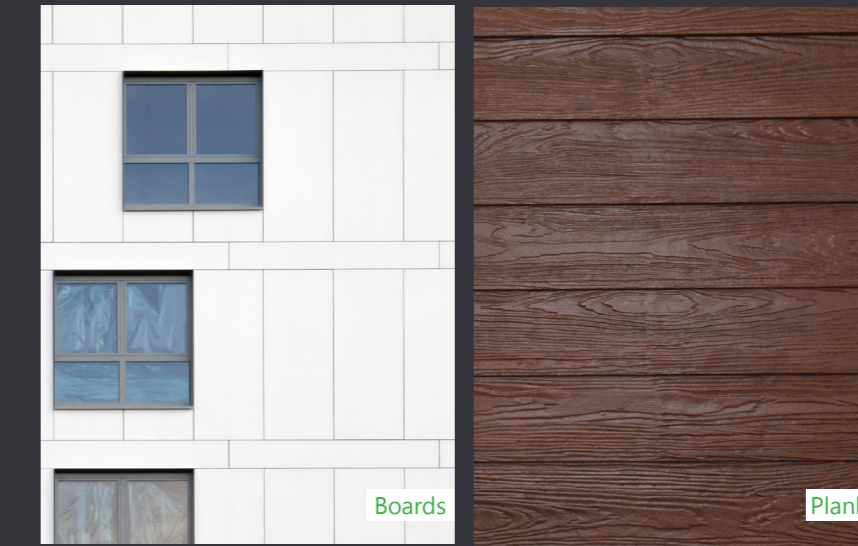
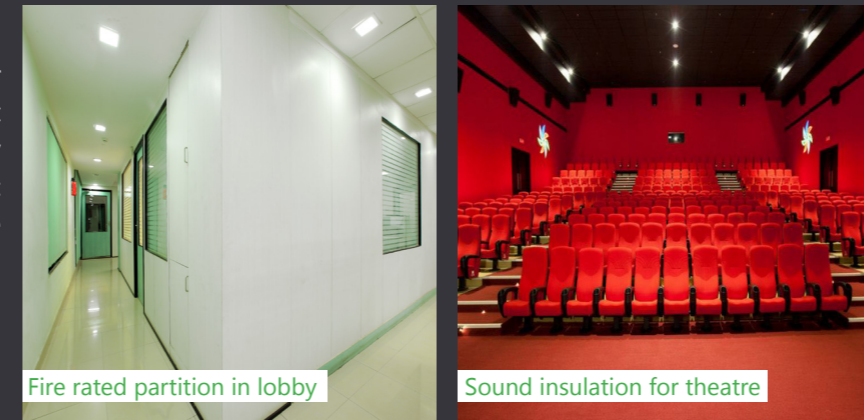
Vboard is available in various thicknesses for mezzanine floor applications to withstand the defined stresses and loads. The mezzanine floor application of the board results in creating extra space for use as storage, office etc.

18mm, 20mm, 25mm

wall partitions

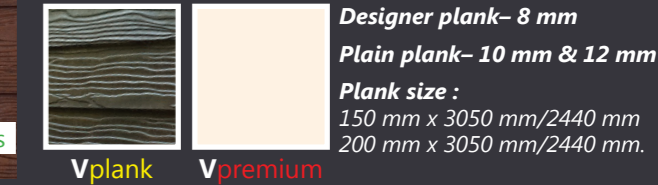
Vboard has an added advantage over other materials being fire water and termite resistant making it an effective, elegant, and sturdy partition system. Vboard also offers acoustic insulation, thermal insulation, and fire resistance properties – essentially required for wall partitions in offices, malls, hotels, hospitals, airports, theatres, commercial and industrial establishments.

8mm, 10mm, 12mm



facade/external cladding

The weather resistant property of Vpremium boards and Vplank with suitable protective and decorative finishes, make them a suitable choice for applications like facade, soffits, eaves and external cladding.



Designer plank- 8 mm
Plain plank- 10 mm & 12 mm
Plank size :
150 mm x 3050 mm/2440 mm
200 mm x 3050 mm/2440 mm.

kitchen cabinets

The triple advantages of Vboard can appropriately fulfil the conditions to make it an ideal application for kitchen cabinets and use as a wall cladding material in water and other moisture prone areas.

16mm, 18mm



wet areas

Vboard is resistant to damage from water. This property makes Vboard a smart choice for interiors when such areas are prone to constant contact with moisture. V-Tile as a backer board provides a suitable base for laying ceramic tiles in wet areas.

10mm, 12mm

wardrobes

Vboard being low shrinkage, termite proof, water resistant and asbestos-free makes it the obvious choice for constructing a cost efficient, time efficient, healthy and long lasting wardrobe. The aesthetic flexibility Vboard provides, allows for a gorgeous custom-made design.

12mm, 16mm, 18mm

