

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	✓	✓	✓								
Partitions			✓	✓	✓	✓					
Wall Panelling		✓	✓	✓							
Mezzanine Flooring									✓	✓	✓
Doors					✓	✓	✓	✓			
Wet areas					✓	✓					
Kitchen Cabinets/ Wardrobes/Shelves								✓	✓		
External											
Prefab Structures		✓	✓	✓	✓						
Wall Cladding		✓	✓	✓	✓						
Sign Boards		✓		✓							
Roof Underlay						✓	✓	✓			
Duct Covering						✓					

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
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From the house of



quick, affordable
& durable construction

Vboard
fiber cement board

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 have taken fiber 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 fiber 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
- ✓ Vdesigner 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

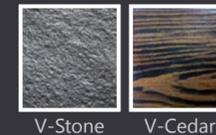
applications

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



wall panelling

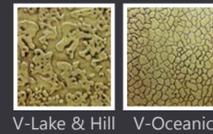
Vdesigner boards with textured surface finishes – "V-Cedar" and "V-Stone" are available as ready to use wall panels. Options of different surface finishes are possible using laminations, veneer, wall papers, etc. on Vboard.



6mm, 8mm

tee grid false ceiling

Vboard and Vdesigner boards with textured surface finishes – "V-Oceanic" and "V-Lake&Hill" offer smart choices for modern tee grid false ceilings in commercial, industrial and residential applications. These boards are mounted through an exposed grid system where tiles are laid into the grid.



4mm, 6mm, 8mm



Tee grid false ceiling



Concealed grid false ceiling

concealed grid false ceiling

Concealed grid false ceilings are used to minimize load (power consumption) on air-conditioning in a building and also to provide an aesthetic look to the soffit/roof. These boards are fixed to the frame and finished to provide a seamless surface. Boards can also be fixed by providing grooves all around the board.

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



Fire rated partition in lobby

fire rated 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, commercial and industrial establishments.

8mm, 10mm, 12mm

acoustic partitions

Vboard offers acoustic insulation upto -29dB (for 8mm Vboard). It also has good thermal insulation, essentially required for wall partitions in offices, malls, hotels, hospitals, theatres, airports and other commercial and industrial establishments.

8mm, 10mm



kitchen cabinets

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

16mm, 18mm

shelves/wardrobes

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

12mm, 16mm, 18mm

