

## technical & physical specifications

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

S.No.	Properties	Units	Performance
<b>Physical Characteristics</b>			
1	Apparent Density	Kg/m <sup>3</sup>	>1200
2	Standard Weight (For 6mm)	Kg/m <sup>2</sup>	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
<b>Mechanical Characteristics</b>			
5	Modulus of rupture EMC - Minimum	MPa or N/mm <sup>2</sup>	10
6	Free Moisture Content	%	6
7	Water absorption - 22 Hrs.	%	36
8	Lamina Bond Strength		

**Dr. G. Vivekanand** manifested his dream of Visaka Industries in 1985 and began manufacturing Fiber Cement Roofing Sheets which gave birth to "**Visaka Industries limited**".

Today, our 3 ½ Decade old company has manufacturing plants across the country with a turnover close to Rs. 1000 crores; we are the second largest fiber cement roofing sheet manufacturer in India. We have already set foot all across the world with our modern vision for the construction industry.

We have massive portfolio with 8 **Fiber Cement Roofing Sheet Plants**, having manufacturing capacity of 7,52,000 MT per annum, 2 **Non- Asbestos Flat Sheet Plants (Vboard)**, having manufacturing capacity of 1,44,000 MT per annum, a **Vpanel** plant having manufacturing capacity of 3,00,000 Sq.m., and a **Textile Yarn Plant**.

The variety in the product line and the brilliant modern utilitarian perspective, is reflected with dexterity in the products.

## visaka industries limited

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# Vboard

## salient features



Vboard - strong as cement. better than wood.

Fiber cement boards have taken the market by storm. The strong properties make the product widely accepted by architects and customers. They are replacing plywood and other fiber cement boards in many commercial buildings.

The cement board is used for interior walls and partitions.

## Advantages

Asbestos, which was used in earlier cement boards are now replaced by HPSC technology. The curing process uses high pressure steam to attain the required strength and stability. Vboard is composed of Portland cement, fine silica and other additives.

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

## variants

Vboard has variants in internal & external categories.

### Interior Grade (Vboard)

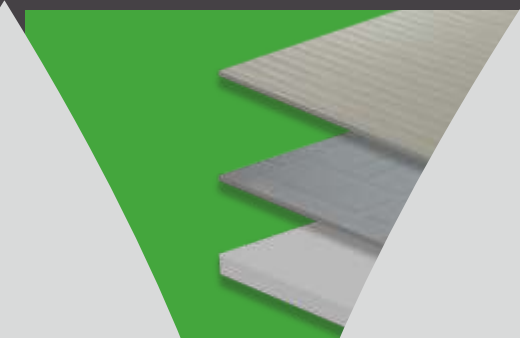
- V Oceanic
- V Lake & Hill
- V Cedar
- V Wave
- V Stone
- V Sandstone
- V Valley

### Exterior Grade (Vpremium)

- V Plank
- V Stone
- V Sandstone
- V Valley

## APPLICATIONS

Decorative wall paneling in home is an essential requirement and can be used by any individual. Vboard can be craftfully used to decorate the home as per the taste and choice of the owner. It is preferred 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.



## Advantages

- ✓ Asbestos free
- ✓ Fire resistant
- ✓ Water resistant
- ✓ Termite resistant
- ✓ Weather resistant
- ✓ Eco-friendly
- ✓ Aesthetics with durability
- ✓ Energy efficient
- ✓ Easy workability
- ✓ Value for money

## applications

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



## T-Grid false ceiling

Vboard and V-Designer Boards with textured surface finishes – "V-Oceanic" and "V-Lake&Hill" offer smart choices for modern T 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



## 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.

6mm, 8mm



## 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.

6mm, 8mm

## Mezzanine flooring

Vboard is available in various thicknesses for various applications to withstand the weight and loads. The mezzanine floor made of Vboard results in creating extra space in a garage, office etc.



## 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



## 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 establishment.

8mm, 10mm, 12mm



## 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

## Shelves/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

