
Vnext
TRANSFORMING THE BUILDING INDUSTRY
VISAKA

DRIVING TRANSFORMATION SINCE 1981

Visaka Industries was established in 1981 by Mr. G Vivekanand — a first-generation entrepreneur who started the company with a vision of being a 'credible, passionate and innovative solution provider'. Over the years, Visaka Industries has firmly planted its leadership position in the manufacturing of sustainable, eco-friendly and new age building products.

What started out 41 years ago as a corrugated cement fibre sheets manufacturing unit has now transformed into a pan-Indian business of eco-friendly and sustainable building products with 12 manufacturing plants, over 7000 dealer outlets, and exports to more than 18 countries.

The company is now led by second generation entrepreneur Mr. G. Vamsi Krishna (son of Dr. G. Vivekanand and Mrs. Saroja Vivekanand) who is an alumnus of Purdue University. Having worked as a Chief Business Strategist from July 2012 to May 2014 and Whole Time Director from June 2014 to May 2017, he was elevated to the position of Joint Managing Director in May 2017.

Mr. Vamsi Krishna is also responsible for the development of the company's overall strategy and operations.

Cement Boards
India's largest player

Textiles
The largest Twin Airjet spinner in the country

ATUM
World's 1st Integrated Solar Roof

Cement Roofing Sheets
India's 2nd largest player

WHAT WE HAVE ACHIEVED OVER THE LAST 41 YEARS

- 14 Manufacturing Plants
- 4000+ Employees
- 1500 crores+ in Revenue
- Listed on the Stock Exchange

Vnext — Modern & Eco-Friendly Building Solutions

Vnext products come with unmatched quality, aesthetics, style and durability, making them the ideal choice for smart and long lasting interiors and exteriors.

Certified by

WTF
WATER, TERMITE, FIRE RESISTANT

CII GREEN PRODUCTS & SERVICES COUNCIL
Viaska Industries Limited
BreezeRite
Panels & Boards
2015
CERTIFIED GREEN PRODUCT

Exova
Warringtonfire
Testing.Advising.Assuring

ARAI®
Progress through Research

QAI
USA

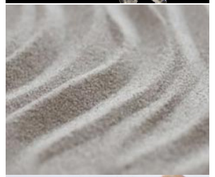
TÜV SÜD
PSB Singapore

Kitchen Cabinets and Shelves
Vnext Boards

Wall panelling and fixed furniture
Vnext Boards

SMART MATERIALS TO HELP YOU BUILD A SUSTAINABLE FUTURE




Vnext range of cement board products were introduced by Visaka Industries to address the need of construction practices entailing the use of dry construction. Fibre Cement Boards are made of a composite material comprising silica, cement and cellulose fibre. With a growing awareness and need for responsible and sustainable building practices, Vnext Boards have been certified as Green Pro, and their manufacturing facility is certified GreenCo by CII IGBC.

Apart from unmatched quality and aesthetics, here's why architects prefer to work with Vnext's range of products:

- 10 times lighter and 35% thinner when compared to brick walls
- Increases carpet area by 4%
- Easy to install and customise
- Resistant to heat and sound
- Water, termite and fire resistant
- Manufactured without environmental damage
- Wide choice of styles and patterns

External Cladding
Vnext Premium Planks

Experience Ease of Working with Vnext

- No curing required
- Reusable, reconstructable and relocatable
- No plasting required
- Reduces cost of painting
- Save on substructural steel
- Reduces labour costs

Vnext Range of Products

For Internal Use:

- Vnext Boards
- Vnext Panels

For External Use:

- Vnext Premium Boards
- Vnext Premium Planks

Vnext Boards

Quick, Affordable & Durable Construction

Vnext Boards are autoclaved cement boards that are ideal to fast track prefabricated construction. Owing to their dimensional stability, flexibility and durability, structures made with Vnext Boards are lightweight and moisture resistant.

Manufactured using the Hatschek process and High Pressure Steam Curing (HPSC) technology as per IS 14862-2000 norms, Vnext Boards offer high dimensional stability and strength. The product is also delivered in textured surface finishes to address modern building applications.

Vnext Boards can be highly effective when it comes to saving energy and maintaining a balanced temperature in closed air-cooled rooms. With Vnext Boards' extensive range of applications and multiple deployment advantages, customers can choose budgets and aesthetic requirements.

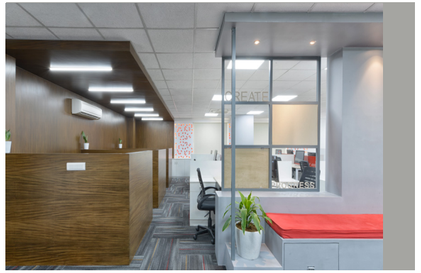
SALIENT FEATURES

ADVANTAGES

- Water, termite & fire resistant
- Highly affordable
- Maintenance-free
- Low construction cost
- Easy transportability

APPLICATIONS

- Fire-rated & acoustic Partitions
- Wall panelling
- False ceiling
- Mezzanine flooring
- Kitchen cabinets & shelves
- Wardrobes



Technical & Physical Specifications

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

	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 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) (30^0 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)**										
Internal	4	6	8	9	10	12	14	16	18	20	25
False Ceiling	✓	✓	✓								
Wall Partitions			✓	✓	✓	✓	✓				
Wall Panelling		✓	✓	✓							
Mezzanine Flooring							✓		✓	✓	✓
Doors					✓	✓	✓	✓			
Wet Areas					✓	✓					
Kitchen Cabinets/ Wardrobes/Shelves								✓	✓		
External											
Prefab Structures			✓	✓	✓	✓					
Wall Cladding			✓	✓	✓	✓					
Sign Boards		✓		✓							
Roof Underlay					✓	✓	✓				
Duct Covering					✓						

Office Furniture & False Ceiling
Vnext Boards

Vnext Premium Boards

Strong as Cement, Better than Wood

Vnext Premium Boards are flexible, aesthetically appealing building products that combine the durability of cement boards along with beautiful design variants to fulfil all tastes and functional needs.

Oftentimes, appealing exteriors come with compromised quality, low strength and are susceptible to weather changes. With Vnext Premium Boards, your exteriors can look elegant and last for decades while being resistant to changing weather conditions.

Available in standard dimensions with smooth and textured finishes, Vnext Premium Boards guarantee exteriors that add a touch of elegance to your building and can be used in numerous applications.

Vnext Premium Boards are exterior grade product as per IS 14862:2000 Type “A” category 3 and ASTM C 1185 Type “A” Grade II

SALIENT FEATURES

ADVANTAGES

- Resistant to water or moisture damage
- Easy workability
- Eco-friendly manufacturing
- Resistant to fire damage
- Prevents termite infestations

APPLICATIONS

- External cladding
- CNC cutting
- Roof underlay
- Duct covering
- Wet area applications

Technical & Physical Specifications

(Vnext Premium Boards are manufactured as per ISO 8336/IS 14862 Type "A" Category '3'/
ASTM C 1186 Type "A" Grade II Fiber Cement Boards Standards)

	Physical Characteristics				
1.	Dimensional Tolerances:				
a.	Length & Width	ASTM C1185/		0.5%	Pass
b.	Thickness	IS14862 /		± 10%	Pass
c.	Straightness & Squareness	ISO 8336		± 3mm/m & 4mm/m	Pass
2.	Density	ASTM C1185	Kg /m3	>1250	1298
3.	Flexural Strength (MOR – Wet Condition)	ASTM C1185	N/mm2	> 7.0	8.8
4.	Water Impermeability	ASTM C1185		No water droplets at the underside	Pass
5.	Moisture Movement	ASTM C1185	%		0.061
6.	Water Absorption	ASTM C1185	%	30-36	30.64
7.	Moisture Content	ASTM C1185	%	4-8	4
8.	Water Vapour Transmission	ISO 12572	g/m2. Perday		40.6
	Water Vapour Resistance Factor (μ)				117
9.	Glue-Line Shear Force/Strength	ASTM D1037	N		3264.2
10.	Direct Screw Withdrawal Resistance	ASTM D1037	N		989.7, 643.3
	Durability				
11.	Freeze-Thaw Resistance (50 cycles)	ASTM C 1185			Pass
12.	Warm Water Resistance	ASTM C1185			Pass
13.	Soak-Dry Resistance (50 cycles)	ISO 8336			Pass
14.	Heat-Rain Resistance (25 cycles)	ASTM C1185			Pass
	Fire				
15.	Ignitability	BS 476, Part 5		Class P - not easily Ignitable	Class P
16.	Fire Propagation Index	BS 476, Part 6		Lower Values are better	2.79
17.	Surface Spread of Flame	BS 476, Part 7			Class 1
18.	Fire Resistance – Integrity & Insulation (in minutes for non-load bearing, Insulated double-skin partition)	BS 476, Part 22	Both in minutes	>120	171 & 148
19.	Surface Burning Characteristics :	ASTM E84		Lower Values are better	
a.	Flame Spread Index				0
b.	Smoke Developed Index				0
c.	Class				A
	Acoustic Characteristics				
20	Sound Transmission Coefficient (STC) :	DIN 52210 /			
a.	Bare Board (8mm thick)	ISO 140	dB		29
b.	Typical Partition (with 10mm facing sheets, 72mm stud, 50mm glass wool 48kg/m3)		dB		45
	Thermal Characteristics				
21.	Thermal Conductivity	ASTM C518	W/m^0K		0.0748
			$Kcal/mh^0K$		0.0643

External Cladding
Vnext Premium Boards

Vnext
Premium
Planks

Make Every Wall a Masterpiece

Vnext Premium Planks are eco-friendly designer cement boards that increase the aesthetics of your building exteriors in a chemical-free and hygienic way. They give you the freedom to customise your exteriors according to your own design sense.

Thanks to their resistance to weather and sun damage, Vnext Premium Planks can be used to increase the elegance and beauty of your building as a cladding, façade or fencing solution. The high aesthetic appeal of Vnext Premium Planks can replace products like ACP, wood siding, and high pressure laminates.

Vnext Premium Planks are exterior grade product as per IS 14862:2000 Type "A" category 3 and ASTM C 1185 Type "A" Grade II

SALIENT FEATURES

ADVANTAGES

- Resistant to sun, fire & water damage
- Prevents termite infestation
- Certified eco-friendly
- Available in teak finish

APPLICATIONS

- External cladding
- Facades
- Duct covering
- Compound wall cladding
- Garden fencing
- Gate cladding

Technical & Physical Specifications

(Vnext Premium Planks are manufactured as per ISO 8336/IS 14862 Type "A" Category '3'/
ASTM C 1186 Type "A" Grade II Fiber Cement Boards Standards)

	Physical Characteristics				
1.	Dimensional Tolerances:				
a.	Length & Width	ASTM C1185/		0.5%	Pass
b.	Thickness	IS14862 /		± 10%	Pass
c.	Straightness & Squareness	ISO 8336		± 3mm/m & 4mm/m	Pass
2.	Density	ASTM C1185	Kg /m3	>1250	1298
3.	Flexural Strength (MOR – Wet Condition)	ASTM C1185	N/mm2	> 7.0	8.8
4.	Water Impermeability	ASTM C1185		No water droplets at the underside	Pass
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	Water Vapour Resistance Factor (μ)				117
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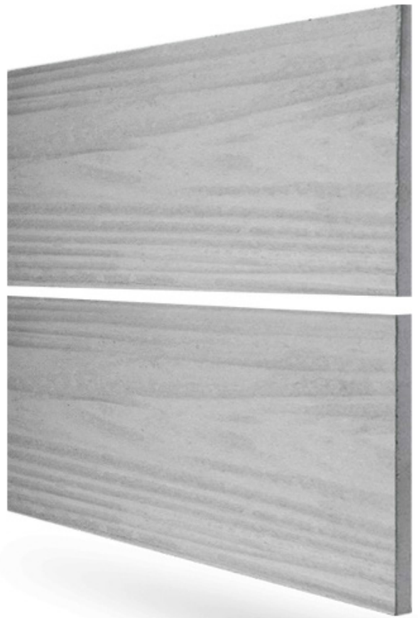
19.	Surface Burning Characteristics :	ASTM E84		Lower Values are better	
a.	Flame Spread Index				0
b.	Smoke Developed Index				0
c.	Class				A
	Acoustic Characteristics				
20	Sound Transmission Coefficient (STC) :	DIN 52210 /			
a.	Bare Board (8mm thick)	ISO 140	dB		29
b.	Typical Partition (with 10mm facing sheets, 72mm stud, 50mm glass wool 48kg/m3)		dB		45
	Thermal Characteristics				
21.	Thermal Conductivity	ASTM C518	W/m^{0}K		0.0748
			Kcal/mh^{0}K		0.0643



Cladding

Vnext Premium Planks

Vnext Panels

Instant Dry Wall

Vnext Panels are made of sandwiched Vnext boards panels and lightweight EPS concrete that is manufactured with state-of-the-art technology from M/s. Dantotec, Australia. Vnext Panels are designed for non-load bearing internal and external wall partition application and are substitutes for dry wall and plastered wall concepts. They can be used as ready-to-fix dry walls and are compatible with the existing doors and windows system.

With a unique, semi-circular tongue and groove, installing Vnext Panels is quite simple. Thanks to their excellent thermal properties, Vnext Panels are energy-efficient building products that are non-combustible and their tested for fire and toxicity ratings.

Vnext Panels possess all the benefits of a masonry wall, but as a slim and dry wall application, they ensure clean working site conditions and offers more floor space. Vnext Panels are robust and have a smooth surface that accepts various kinds of surface finishes like veneer, paint and textures. They are available in 50mm, 75mm and 100mm thicknesses.

SALIENT FEATURES

ADVANTAGES

- Lightest and strongest among dry wall panels available in this category
- Evaluated as per testing methods of ASTM, BS & BIS
- Better stability and easy workability
- The only company providing 11ft long panels
- Ideal choice for jumbo partitions in industrial spaces
- Considerable structural cost savings due to low dead weight
- Quick installation time
- Water, termite & fire resistant

APPLICATIONS

- Pre-fabricated Structures
- Internal Partitions
- External Walls
- Compound Walls

Properties of **Vnext Panels** 50mm, 75mm & 100mm thickness

S. No.	Properties	Units	Specification References/Standards	50mm	75mm
A	**Physical Properties**				
I	Nominal Weight per sq. mtr	Kg/M^2	Weight Physical	34	46
II	Axial Load				
	Samples Size 2.5 mtr 0.6 ,mtr	KN/M	ASTM E 72	54 Safety Factor 2.0	90 Safety Factor 2.0
	Samples Size 1.5 mtr 0.3 mtr	KN/M	ASTM E 72	65 Safety Factor 2.0	100 Safety Factor 2.0
III	Multi Point Load				
	2.9 Meter Span	Kg/M^2	ASTM E 72	125	150
	2.4 Meter Span	Kg/M^2	ASTM E 72	200	250
	1.5 Meter Span	Kg/M^2	ASTM E 72	450	500
IV	Uniform Distributed Load (Bag Test)	KNm/m	ASTM E 72	2.5	3.75
V	Tensile Strength Parallel to Surface	N/MM^2	IS 2380 1977	1	0.9
VI	* Core Bonding Strength	N/MM^2	IS 2380 1977	0.3	0.35
VII	Modulus of Rupture	Kg/cm^2	IS 2380 1977	42	31
B	**Thermal Properties**				
I	Thermal Resistance	M^2K/W	IS:3346 1980	0.3	0.55
II	Overall Thermal Transmittance	W/ M^2K	IS:3346 1980	1.8	
1.5126					
C	**Acoustic Properties**				
I	Sound Transmission Class	dB	IS:9901 (Part II)-1981	33	36
			Din:52210 (Part IV)-1984		
			ISO:140 (Part III)-1995		
D	**Fire Related Properties**				
I	Fire Rating	Minutes	BS 476:Part 20&22	60	120
II	Surface Spread Flame	Class	BS 476 : Part 7	Class - I	Class - I
III	Fire Propagation Index	Index	BS 476 : Part 6	3.4	3.3
IV	Ignitability	Performance	BS 476 : Part 5	Class - P	Class - P
V	Combustibility	Performance	BS 476 : Part 4	Not Combustible	Not Combustible
E	**Resistance to Air & Water**		BS 4315.2 1970	No dampness, No leakage, Increase in weight - 4.5% (max)	No dampness, No leakage, Increase in weight - 4.5% (max)

* No debonding at the interface between facing sheet and core material

Vnext Panels of standard width of 0.6 meters are available in lengths of 2.4, 2.7, 3.0 & 3.3 meters and in thicknesses of 50mm, 75mm & 100mm.

Application Matrix

Application	Thickness (mm)		
	50	75	100
Prefab Structures	✓	✓	✓
Drywall / Partitions	✓	✓	✓
Mezzanine Flooring	✓	✓	✓
Compound Wall		✓	✓
1 hr. Fire Rated Partitions	✓		
2 hr. Fire Rated Partitions		✓	
3 hr. Fire Rated Partitions			✓
Residential Partitions	✓	✓	✓

Internal Partitions
Vnext Panels

Vnext Infill

Vnext Infill is a lightweight concrete (Cement, Sand, EPS and Proprietary Additive) mixed with fixed proportions of water, poured between Vnext Premium Boards are cladded as facing sheets on framework made out using G.I. studs. TMT bars are placed between the framework. An 88mm thick Vnext infill wall weighs around 100 kg/sq.m as against 300 kg/sq.m of a 6" brick wall.

A typical 2-BHK house built with Vnext Infill can be constructed within 45 days from foundation to finish, making it a quick and easy way to turn your dream house into reality.

SALIENT FEATURES

ADVANTAGES

- Environment friendly
- Water, termite and fire resistant
- Weather resistant
- Easy workability
- Energy efficient
- Durable

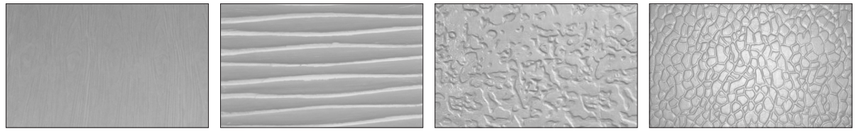
APPLICATIONS

- Around 7% more carpet area
- 3-5 times faster construction
- Smooth surface of the walls
- 3-5° C cooler interiors
- Vnext-Infill wall is lighter by 3 times than 6" brick plastered wall

VARIANTS

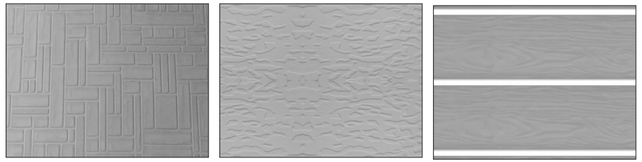
Vnext has variants in internal and external grade categories.
The internal grade is known as Vnext Boards.

Vnext Cedar I Vnext Wave I Vnext -L&H I V-O



The external grade is known as Vnext Premium Boards.

Vnext Premium Sandstone I Vnext Premium Stone I Vnext Premium Planks



Exterior Grade Product as per IS 14862:2000
Type "A" category 3 AND ASTM C 1185 Type "A" Grade II

Internal Application
Vnext Premium Sandstone

WHAT IS ATUM?

ATUM is the first power-generating roofing solution in India. It seamlessly combines the traditional functions of a roof — stability, shelter and protection with sustainable energy generation. It takes solar roofing solutions to the next level with its state-of-the-art technology designed to complement the aesthetics of your home, office or industry. As a smart roof, ATUM earns you money throughout its lifetime by generating free electricity.

Thanks to its non-corrosive property and resistance to water and fire, an ATUM roof lasts well over 25 years and remains sturdy. It insulates noise from the roof during rain, and also keeps the interior cooler in summer. With a sleek and leak-proof design, ATUM also enhances the elegance and aesthetics your property. The electricity you generate and use can be easily tracked live on the ATUM App on your smartphone.

PRODUCT HIGHLIGHTS

- It is an integrated product which works as a roof and a solar panel
- A minimum of 30% extra power generation than its contemporaries
- Payback within 5 years
- Roofing that lasts over 25 years
- More than 4 times return on your investment over 25 years
- Has leak proof application
- Water, fire, termite, and shock resistant

A T U M

World's 1st Integrated Solar Roof

A Payback On Your Roof In Under 5 Years*

Compared to a traditional roof, ATUM roof ensures that the energy it generates returns your investment in just under 5 years*.

Guaranteed to generate energy for at least of 25 years, rest assured ATUM will give you uninterrupted power supply!

30%* More Power Generation

ATUM roof provides more surface area for energy generation than any other solar roof. It also generates up to 30%* more energy than conventional solar panels by optimizing the available space.

With its long llifespan, ATUM is the smartest solar roofing solution for you.

Unmatched Temperature Resistance

Since ATUM is an integrated solar roof with a cementitious substrate, it reduces heat transfer much more effectively than a traditional roof.

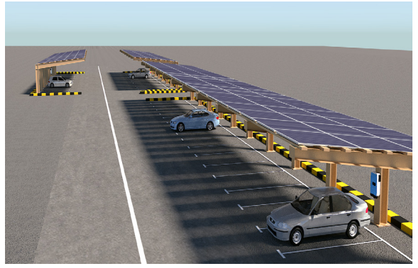
Heat transfer from the roof to the bottom is minimal which in turn reduces the energy usage by 6% as compared to a traditional sloped concrete roof or industrial Galvalume roofing.

A Roof That Earns For You

ATUM costs the same as laying a traditional roof and having solar panels installed on top of it. It is also a hassle-free task as ATUM generates optimum power while utilizing maximum space of the solar cell.

The frameless design gives an elegant look to your building. The ATUM roof looks better, lasts longer and is more cost-effective.

*T&C Apply



Using Vnext products,
we have helped save over

5,00,000

trees.

Vnext
by VISAKA

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For More Details

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