



**everest**

HEAVY DUTY BOARDS





Most walls carry  
works of art.

What if a wall  
looked like one?

## REIMAGINE.

Have you ever wished to create ceilings that swept onlookers off their feet? or walls that whispered luxury and corners that brought you to the centre of applause? Doors that opened up to newer possibilities, and furniture that had success engraved upon it? Have you ever imagined designing a home as a work of art? Reimagine.

## A 'forward-thinking' belief helps us put our best foot forward.

At Everest, everything we do stems from an eco-friendly, efficient and forward-thinking philosophy. Our compressed cement-based building products challenge the age-old use of brick and mortar. Not only are these materials much lighter and a lot more durable, they are pre-finished and easier to install, and thus reduce the construction period considerably. Their compressed form also ensures a higher strength to weight ratio, and makes sure that floors get the space that they truly deserve. Simply put, it's not brick. It's better.







Welcome aboard.



## Unmatched performance. The perfect match for every structure.

We, at Everest are the pioneers of Heavy Duty Boards. Our boards are Category 4 and Type A products as per IS14862. Being a Category 4 product, it has superior weather resistant properties along with high impact-resistance. It is thus suited for external applications. It has high water-resistance which makes it ideal for wet areas. A high load bearing capacity enables an efficient usage of space.





LESS = MORE\*

## Designed to last long, and stay strong.

Built to sustain prolonged exposure to sun, rain and UV rays, Everest Heavy Duty Boards are aesthetically minimal. Despite being thinner, these boards help create internal and external load-bearing walls and floors that are stronger and long-lasting.

Elevated impact resistance and dimensional stability make these apt for a spectrum of hospitality-based, commercial, industrial and residential projects. Besides being the strongest boards, they enable an effortless blend with a wide variety of surface finishes like laminates ceramic, vitreous tiles, paints and renders. Rest assured, Everest Heavy Duty Boards are sure to sweep your clients off their feet.

Ideal for Residential, Hospitality, Commercial, Health care and Institutional buildings.



Not just homes  
but a gift for  
future generations.



# SUPERLATIVE FIRE RESISTANCE PROPERTIES

Everest Heavy Duty Wall Boards are made of non-combustible material and qualify for:

## EARLY FIRE HAZARD INDICES

PROPERTY	RESULT
IGNITION INDEX	0*
IGNITABILITY	0*
HEAT EVOLVED INDEX	0*
FLAME SPREAD INDEX	0*
SMOKE DEVELOPED INDEX	0*
REACTION TO FIRE AS EN 13501: PART-I	A2-s1-d0
SURFACE SPREAD OF FLAME AS PER ASTM E84	Class A

\*Zero is the best result

## RESISTANCE TO FIRE AS PER BS-476

PROPERTY	RESULT
COMBUSTIBILITY	non combustible as per BS 476 Part IV
IGNITABILITY	Class "P"-not easily ignited, as per BS 476, Part V
FIRE PROPAGATION INDEX	Passes as per BS 476, Part VI
SURFACE SPREAD OF FLAME	Class - 1, as per BS 476, Part VII



### The weather changes. Your home shouldn't.

These boards help interiors retain their inherent structure and charm through all seasons.



### Pest-free.

With insects staying away, the walls and floors stay flawless and fabulous at all times.



### Let the good word spread like wildfire.

Superlative resistance to fire.



### Keep the monsoons at bay.

These boards guard against damages caused by permanent dampness or seepages, thus facilitating less wastage and better product life as well as savings.



### Flexible through all kinds of finishes.

Can be cut to size easily with the Everest 'Score & Cut' tool, minimising the level of dust on site.



### So the calmness in your home makes all the noise.

Superlative resistance to sound.



### In-line with wet area.

Everest Heavy Duty Boards are excellent for all kinds of internal wet area [work well as backer boards for wall tiles or marbles].



### Breaking conventions. Nothing else.

Everest Heavy Duty Boards are highly impact-resistant and ideal for commercial and industrial applications spanning external cladding and facades to high-impact dry wall partitions to false floor substrates.





Let every wall  
be worthy  
of recognition.



## Not facades but masterpieces.

High-impact and weather-resistant boards, best suited for claddings and facades.

As external walls and claddings, façade boards prove to be durable building fascias. Apart from being cost-effective and low-maintenance, they also give an effortless joint panel look with an ultra-modern feel. Façade boards are suitable for use even on envelope applications exposed to extreme wind pressure and other weather elements. Made from high density fibre cement and manufactured out of compression technology helps them fall under the CATEGORY 4 Type A\* board category. They are in accordance to IS14862 and are ideal for hospitality, commercial, health care and residential properties.

Everest façade boards are ready-to-use and flexible to all kinds of renders and acrylic textures.

PRODUCT PROFILE	THICKNESS
	6 mm, 9 mm and 12 mm
	LENGTH x WIDTH
	2440 mm x 1220 mm

\*This compression technology gives it superior strength even in wet conditions (Wet Modulus of Rupture >14 Mpa) with low water absorption compared to any other cement boards.





## Get ready to get floored.

Strong, moisture resistant boards  
for all kinds of floors.

An Everest Compressed Floor Board is a high-density, fibre cement structural flooring substrate for various finishes over timber or lightweight steel floor joists. It is an excellent alternative for false floors, internal wet areas and external building locations. It is a strong, durable, moisture resistant substitute to particleboard, engineered timber and plywood substrates; and a lightweight alternative to concrete.

Everest HD Floor Boards can be covered with vinyl, tiles, marble, slate or granite. With superior load bearing properties the HD Floor Boards are widely used as a substrate for mezzanine floors and lofts as well. They are ideal for hospitality, commercial, health care and residential properties.

PRODUCT PROFILE	THICKNESS
	15 mm
	LENGTH x WIDTH
	2440 mm x 1220 mm





## They slip into wet areas effortlessly.

High-impact and water-resistant wall boards, appropriate in wet areas in the form of tile backers, linings and walls.

Everest HD-lining wall is a high performance fibre cement board that creates an even, flat surface which can be painted, wallpapered or tiled to achieve a variety of looks. Specially designed for kitchens, bathrooms, spas and pool changing rooms, Everest Wall Boards are innovative, high performing, durable and moisture resistant products that allow internal wall lining to meet the durability requirements.

They are ideal for use under tiles and offer high-impact resistance on their own too. Everest Lining is also suitable for areas where major impact resistance is needed: such as high-traffic hallways and garages.

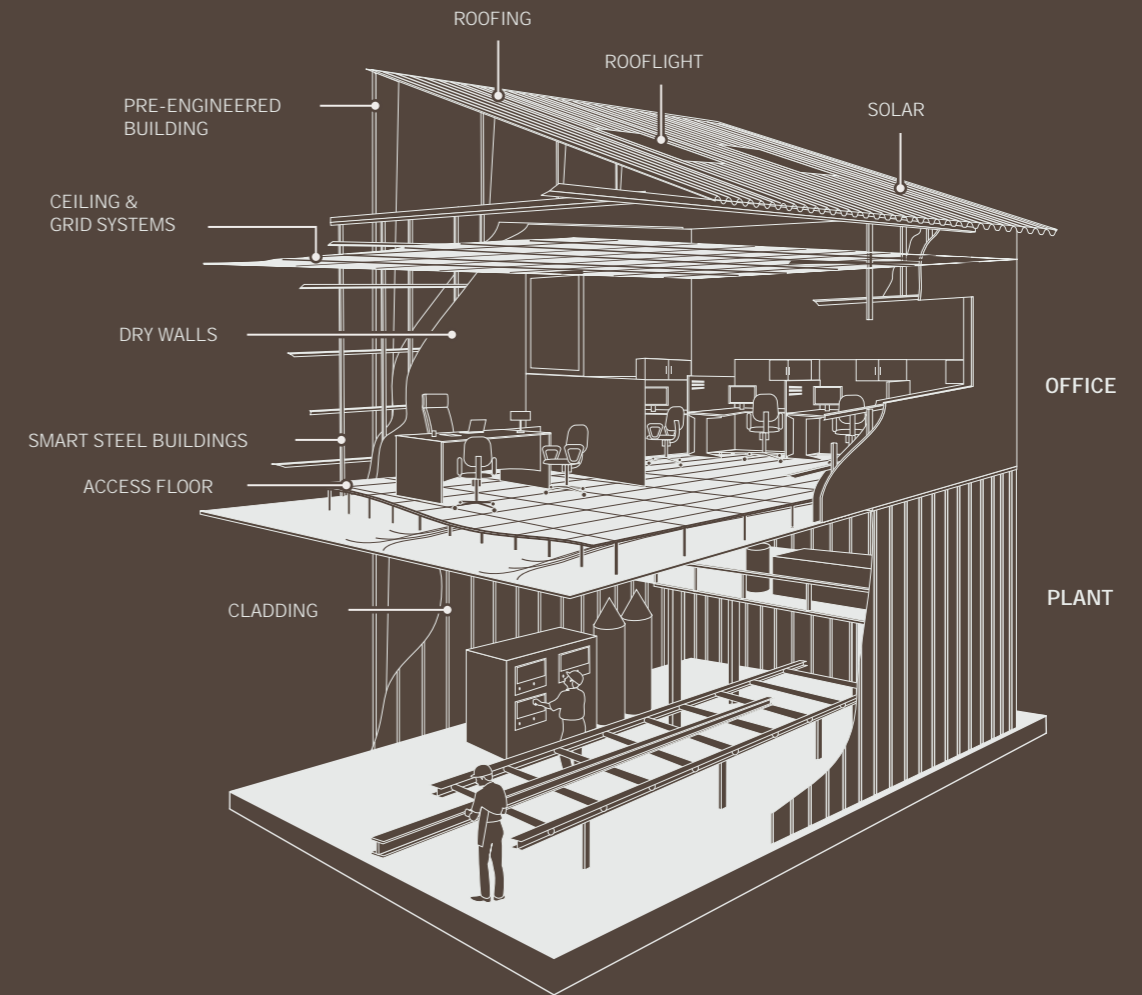
PRODUCT PROFILE	THICKNESS
	6 mm and 9 mm
	LENGTH x WIDTH
	2440 mm x 1220 mm

# TECHNICAL AND PHYSICAL SPECIFICATIONS OF HEAVY DUTY BOARDS

DESCRIPTION	UNIT	STANDARD	EVEREST HD BOARD
IS CODE	—	—	IS 14862
BOARD TYPE AS PER IS CODE	—	—	Type A
BOARD CATEGORY AS PER IS CODE	—	—	Category - IV
APPARENT DENSITY	kg/m <sup>3</sup>	ASTM C1185	>1450
MINIMUM MODULUS OF RUPTURE (MoR) (in Wet Condition)	Mpa	IS 14862 ASTM C 1185	>14
ADHESION LAMINA TEST	Mpa	ASTM D 1037	>0.79
DIRECT SCREW WITHDRAWAL STRENGTH	N	ASTM D 1037	>1750
COEFFICIENT OF THERMAL CONDUCTIVITY (K-VALUE)	W/mk	ASTM C 518	0.0862
LINEAR COEFFICIENT OF THERMAL EXPANSION	mm/mm/°C	ASTM C 696	7.43 x 10 <sup>-6</sup>
SOUND ABSORPTION	dB	DIN 52210	35 for 9mm
PH VALUE	—	—	8-9
MOISTURE CONTENT ( AT EMC )	%	—	3-4
FREEZE - THAW RESISTANCE (50 Cycles)	—	IS 14862 ASTM C 1185	Pass
WARM WATER RESISTANCE	—	IS 14862 ASTM C 1185	Pass
SOAK - DRY RESISTANCE (50 Cycles)	—	IS 14862	Pass
HEAT - RAIN RESISTANCE (25 CYCLES)	—	IS 14862 ASTM C 1185	Pass

Note: The Everest Heavy Duty Board parameters may vary from batch to batch within passing criteria

Everest is a complete building solutions provider. Established in 1934, Everest today is a comprehensive building solutions provider, with a constant endeavour to innovate new age building solutions. The company offers a wide range of roofing, ceiling, wall, flooring and cladding products. The company has consistently introduced new age building products like Pre-engineered steel buildings for the industrial, commercial sector and solar rooftop solutions. Everest has been a pioneer of new-age fibre cement boards and panels, which enable strong, light, rapid and durable construction of residential, commercial and industrial infrastructure. Made using environment-friendly materials, these products are used in a wide range of applications such as cladding, ceilings, walls, facades, wall partitions, interior & exterior wall lining, pre-fab structures, drywalls and mezzanine floors. Everest Boards and Panels are manufactured using Hatchek process enabled with HPSC (High Pressure Steam Curing) technology which makes them moisture, fire and termite resistant. These new age panels have significant competitive edge to other wood based alternatives.



OUR RANGE OF HEAVY DUTY BOARDS  
ARE CERTIFIED BY GREENPRO AND GRIHA

# COMPARISON BETWEEN TYPE A CATEGORY – III Vs CATEGORY – IV FIBRE CEMENT BOARD

PARAMETERS	UNIT OF MEASUREMENT	TEST VALUES		INFERENCE
		CATEGORY III	CATEGORY IV	
Product type as per IS Code	—	TYPE A	TYPE A	The differentiation between the products is on the category platform.
Manufacturing technology		Hatschek process	Combination of Hatschek & compression technology	State-of-art modern technology makes CATEGORY-IV Boards a superior product, on strength, weather & moisture resistant platform as compared to Category-III Boards.
Apparent density	Kg/m <sup>3</sup>	ASTM C 1185	<1300      >1450	<ul style="list-style-type: none"> <li>Higher density of CATEGORY-IV contributes to its higher strength.</li> <li>Makes the product abuse resistant.</li> </ul>
Minimum Modulus of Rupture (MoR)– in wet conditions	N / mm <sup>2</sup> OR Mpa	ASTM C 1185	<9.0      >14	<ul style="list-style-type: none"> <li>Superior Modulus of Rupture of CATEGORY-IV Boards, even in wet condition, makes it a preferred choice for External &amp; Wet Area Applications.</li> <li>CATEGORY-IV Boards when used in External conditions can withstand superior loading conditions, such as wind, seismic and the application dead load.</li> <li>CATEGORY-IV Boards are excellent tile backer boards; with its high Wet MoR, they can take higher loading, when used in wet areas, in the form of wet cladding of walls tiles or mounting of fittings &amp; fixtures.</li> </ul>
Adhesion Lamina Test	Mpa	ASTM D 1037	<0.6      >0.79	<ul style="list-style-type: none"> <li>CATEGORY-IV Boards can take higher surface mounted load (cladding of walls tiles onto the board surface with adhesive) than Category-III Boards; restricts delamination under such conditions.</li> </ul>

PARAMETERS	UNIT OF MEASUREMENT	TEST VALUES		INFERENCE
		CATEGORY III	CATEGORY IV	
Direct screw withdrawal strength	ASTM D 1037	>650	>1700	<ul style="list-style-type: none"> <li>Owing to compression technology the Screw Withdrawal Strength of CATEGORY-IV Boards is far superior (3 times approx) as compared to Category-III Boards.</li> <li>Significantly contribute to application design stability &amp; sustainability in external conditions subjected to high wind, seismic &amp; its dead load.</li> </ul>
Sound absorption	dB	DIN 52210	29 for 8mm      35 for 9mm	<ul style="list-style-type: none"> <li>CATEGORY-IV being a higher density &amp; a compact board, provides superior sound insulation properties as compared to Category-III Boards.</li> <li>Imparts higher acoustical performance parameters, both to the building envelope &amp; internal room dividers.</li> </ul>

— Everest Heavy Duty Board is a Type A, CATEGORY-IV Board.

— Through its superior technical parameters as compared to Category-III Boards, Everest Heavy Duty Boards are an ideal product for applications in external & wet areas locations or those requiring higher load bearing capacities & impact strength.

— They are best product in all cement board category (Fibre Cement Board, Cement Bonded Particle Board & Cement Board with glass mesh) for such applications.

— We also manufacture Category-III Boards for other applications.



# everest

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LIMITED

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