

## C-BOARDS RANGE OF APPLICATIONS

FALSE CEILING



PARTITIONS



EXTERNAL CLADDING



INTERNAL CLADDING

Apart from the above-mentioned applications, it can also be used for:

- Siding
- Mezzanine Flooring
- Doors
- Prefab Housing
- Cabinet Back Lining
- Sign Boards

All Aerocon products are manufactured with a strict adherence to sustainable, environmental-friendly practices. Aerocon Boards use fly-ash, which is recycled waste. They are also highly energy efficient, helping you save on power bills, and put less stress on the planet. This innovative green product stems from HIL's commitment to create greener buildings, for a greener planet.

CK BIRLA GROUP

**AEROCON**  
BLOCKS & PANELS



Fiber Cement Boards –  
the **green** replacement for plywood.



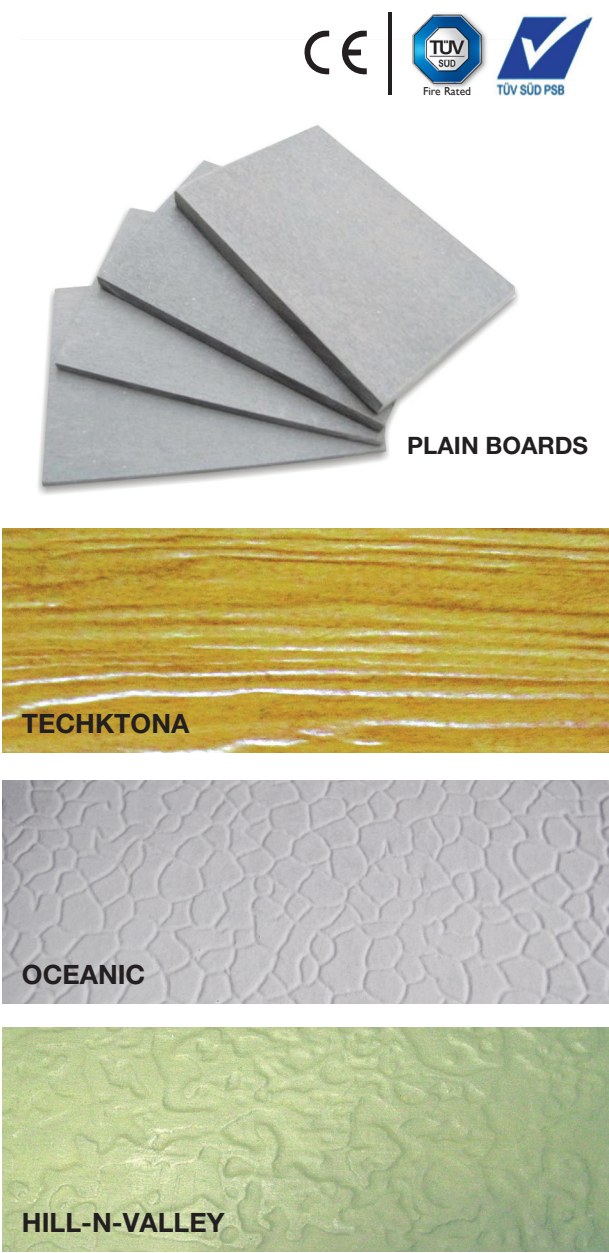


**HIL's** journey began in 1946 as a pioneer in manufacturing fibre cement roofing sheets, with a vision of providing shelter to the people of India. Being a flagship company of the CK Birla Group, HIL is now a leader in the Indian Infrastructure and Construction sectors, carrying a 60-year legacy. HIL has a range of world-class brands namely, Aerocon, Charminar and HYSIL. The company's dedicated team of experts tirelessly work to develop newer technologies and processes, raising the bar further, each time.

OPEN UP TO A SMART WORLD.

Aerocon C-Board is the best substitute for wood, with a contemporary range of Green Products suitable for all modern constructions. The fibre cement board is made from a mix of cement, cellulose fibre and fire-resistant fillers on Hatschek machines. It is cured under a high-pressure steam-curing process called autoclaving, for dimensional stability and durability. Aerocon C-Board is manufactured as per IS 14862 – 2000, Type B, Category ‘3’.

Fibre Cement boards broaden the horizons of an architect, and can be used in almost all interiors and semi-covered exteriors of a building. They are a perfect blend of innovation, cutting-edge technology and superior aesthetics, and can take on any colour, giving you amazing flexibility in design. In addition, they are available in plain and textured variants.



CHARACTERISTICS		
VARIANT	AVAILABLE SIZES (IN MM)	THICKNESS (IN MM)
C-Board	3000 X 1220; 2440 X 1220; 2400 X 1200#; 1830 X 1220	4, 6, 8, 10, 12, 14#
Techktona	2440 x 1220; 1830 x 1220 – Boards	6, 8, 10
	150 x 2440; 200 x 2440 – Planks	8, 10
Hill-N-Valey	595 x 595; 2440 x 1220; 1830 x 1220	4
Oceanic	595 x 595; 2440 x 1220; 1830 x 1220	4

C-BOARD TECHNICAL DATA		
	PLAIN	TEXTURED
Standard weight for 6 mm	8.25 kg/m2	8.25 kg/m2
Free moisture at equilibrium (at 24°C & 50% FH)	5-11 %	5-11 %
Dry shrinkage (moisture movement)	<2.5 mm/mtr	<2.5 mm/mtr
Water absorption	<40 %	<40 %
Thermal conductivity <sup>§</sup>	0.2 w/m²k	0.2 w/m²k
Ignitability (BS-476, Part-5) (not easily ignitable)*	Class P	Class P
Fire propagation index (BS-476, Part-6)*	<3.7	<4.65
Surface spread of flame (BS-476, Part-7)*	Class 1 (Best)	Class 1 (Best)
Screw holding capacity on face	220 kg	220 kg
Nail holding capacity of face	180 kg	180 kg
Bending strength (modulus of rupture/min)	10 Mpa	10 Mpa
Heat/Rain test	Pass	Pass
Warm water test	Pass	Pass
Termite test	Pass	Pass
Fire resistance (non load bearing)** (BS-476, Part-20, 22)	120 mins	120 mins
Sound transmission co-efficient for 6 mm##	34 dB	34 dB

**NOTE:** • All sheets come with dimensional tolerances as per IS 14862 • Customer specific tolerances can be provided with special cutting • Edges of sheets are normally available only as square, recessed edges can also be provided • Recommended for external applications with appropriate painting system only • \*\*As per test results of Spectro Lab • ##Prasara Bharati & National Physical Laboratories • \*As per test results of CBRI-Roorkee • §As per test results of IIT, Mumbai • #On order



FUTURISTIC, SMART SOLUTIONS:

Aerocon C-Board is the perfect solution to all your home needs, being aesthetically superior and versatile. In addition, they are corrosion-free, dimensionally accurate and require least maintainance.

