



The construction world is always on the look –out for newer, better building solutions that can augment project quality, enhance aesthetics, increase longevity and offer greater value for money.

Birla Aerocon Fibre Cement Boards, a contemporary and eco-friendly substitute for ply wood, are one such innovation.












## ▲ Birla Aerocon Fibre Cement Boards-crafted for performance

A truly green product, Birla Aerocon Fibre Cement boards are a result of breakthrough innovation R&D efforts combined with cutting edge technology. The boards are made from a mix of cement, Flyash ( which is recycled waste product) , cellulose fibre and resistant fillers during the production process, Birla Aerocon Fibre Cement Boards are exposed to a high pressure steam curing process called autoclaving, to ensure greater dimensional stability and durability.

Birla Aerocon Fibre Cement Boards are the perfect substitute for wood, offering a greater level of durability and versatility, with superior features. They are available in multiple sizes to provide more flexibility to your designing capabilities.



### **Key Features**

-  Dimensionally Stable
-  Environment Friendly
-  Easy Workability
-  Termite Resistant
-  Corrosion Resistant
-  Superior Thermal Insulation
-  High Sound Insulation
-  Better Adhesion
-  Fire Resistant
-  Light Weight
-  Moisture Resistant

## ▲ Build on the Benefits

### Creative Flexibility

Being extremely versatile, Birla Aerocon Fibre Cement boards can be used in almost all interior and semi-covered exterior building applications. Their superb surface nitch can beautifully take on any colour or wallpaper allowing you to stretch your imagination and experiment with designs.

### Easy Installation

Despite their impact resistance Birla Aerocon Fibre cement boards are extremely easy to work with, even with basic carpentry tools. Dimensionally accurate and tolerant to all weather conditions, they require practically no maintenance ensuring that the wonderful spaces you create will stay looking as good as new for years to come.

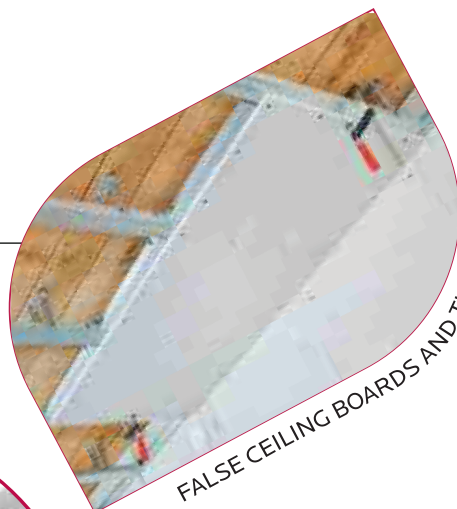
### Energy Efficient

Birla Aerocon Fibre cement boards possess superior thermal insulation properties which help in maintaining hot or cool temperature conditions in interior spaces. This helps save on air-conditioning or heating bills, ensures lower energy consumption, and also reduces the carbon footprint.

### Quiet Comfort

Thanks to their superior sound insulation, Birla Aerocon Fibre Cement Boards drown-out outside noise, and ensure the interior ambience stays peaceful, relaxing and comfortable.

## ▲ Areas of Application



FALSE CEILING BOARDS AND TILES



FIXED FURNITURE



DOORS



PARTITIONS

## Available Dimensions



### AVAILABLE SIZE (IN MM)

3050X1220;2440X1220;2400X1200;1830X1220;1220X1220

### THICKNESS (IN MM)

4, 6, 8, 10, 12, 14, 16, 18

## Technical Specifications<sup>@</sup>

	PLAIN
Standard weight for 6 mm	8.25 kg/m <sup>2</sup>
Free moisture at equilibrium (at 24°C & 50% RH)	5-11 %
Dry shrinkage (moisture movement)	<2.5 mm/mtr
Water absorption	<40 %
Thermal conductivity****	0.2 w/m <sup>2</sup> k
Ignitability (BS-476, Part-5) (not easily ignitable)*	Class P
Fire propagation index (BS-476, Part-6)*	3.7
Surface spread of flame (BS-476, Part-7)*	Class 1 (Best)
Screw holding capacity on face	220 kg
Nail holding capacity of face	180 kg
Bending strength (modulus of rupture/min) at Equilibrium condition	10 Mpa
Heat/Rain test	Pass
Warm water test	Pass
Termite test	Pass
Fire-resistance (non-load bearing)** (BS-476,Part-20,22)	120 mins
Sound transmission co-efficient for 6 mm***	34 dB

\*Conditions Apply

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 CBRI-Roorkee •\*\*AS per test results of Spectro Lab •\*\*\*As Prasar Bharati & National Physical Laboratories •\*\*\*\*As per test results of IIT, Mumbai •\* On order

## Backed by the Leaders

HIL, a leading name in the Indian building material solutions industry, is a part of the renowned CK BIRLA Group which is a \$2.4 billion business conglomerate. HIL'S green building brand, Birla Aerocon, comprises a portfolio of eco – friendly products that are the result of intensive R&D efforts and cutting edge technology, aimed at offering customers the choice of a world class Products.



Corporate Office: 7th Floor, SLN Terminus, Survey No.: 133,  
 Beside Botanical Gardens, Gachibowli, Hyderabad 500 032, India

☎ 1800 425 425 99 E-mail: [birla.aerocon@hil.in](mailto:birla.aerocon@hil.in) | [www.hil.in](http://www.hil.in)