

Technical Specifications

Properties	Units	Typical values	Remarks
Density (min)	gm/cm	1.2	
Bending strength (min)			
a. Parallel (Along)	Mpa	13	IS 13000-1990
b. Right angle (Across)	Mpa	16	IS 13000-1990
Free moisture content	%	5	
Thermal Conductivity**	W/m K	0.203	BS:4370- Part-2
Sound transmission co-efficient***			
a. 6 mm	db	32	IS: 9901 (Part III)-1981 & IS: 11050 (Part I)-1981
b. 16 mm	db	32	IS: 9901 (Part III)-1981 & IS: 11050 (Part I)-1981
Surface spread of flame	Class	Class 'I'	BS: 476 Part 7-1971
Fire Propagation Index (I)*	Value	4.93	BS: 476 Part 6-1981
Ignitability*	Class	Class 'P' (not easily ignitable)	BS: 476 Part 5-1968

*As per test results of CBRI - Roorkee

**As per test results of Indian Institute of Chemical Technology- Hyderabad

***As per Prasar Bharati and National Physical Laboratories

Product Facts

STANDARD DIMENSIONS AND WEIGHTS

Thickness and approximate weights

Size	4 mm Wt. per sheet in Kg	6 mm Wt. per sheet in Kg	8 mm Wt. per sheet in Kg	10 mm Wt. per sheet in Kg	12 mm Wt. per sheet in Kg
1.22 m x 0.61 m (4' x 2')	4.60	6.90	9.30	11.57	13.87
1.22 m x 1.22 m (4' x 4')	9.30	13.90	18.50	23.13	27.75
1.83 m x 1.22 m (6' x 4')	13.90	20.80	27.75	34.69	41.63
2.44 m x 1.22 m (8' x 4')	18.50	27.80	37.00	46.25	55.50

(Non-standard sizes available on request)

Backed by the leaders

HIL, a leading name in the Indian building material solutions industry, is part of the renowned CK Birla Group, which is a \$1.6 billion business conglomerate. HIL's 'green' building brand, 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 a wide range of world class products.

Easily weathers all weather



Imagine a board so strong and tough that it can easily withstand all the vagaries of nature – heat, cold and rain – without being affected at all. A building material with such great load bearing capability that it has the versatility to be put to a myriad uses.

Aerocon Flex-O-Boards are here!

The result of extensive R&D efforts and in-depth understanding of customer needs, Aerocon Flex-O-Boards undergo a high pressure steam-curing process known as 'autoclaving', which lends them special properties.

Tough, flexible, durable and great value for money, Aerocon Flex-O-Boards have the versatility to be used in a wide variety of applications across both commercial and residential projects. They are a superior alternative to plywood, highly weather-proof and fire-resistant, and can be used for both internal as well as external building applications.



▲ Outstanding features



ALL-WEATHER PROOF



HIGHER LOAD BEARING CAPABILITY



THERMAL INSULATION



SUPERIOR WATER RESISTANCE



EXCELLENT SOUND INSULATION

▲ Other features

SUPERIOR FIRE RESISTANCE

SMOOTHER

WHITER SURFACE

BETTER PAINT RETENTION

GREATER DIMENSIONAL STABILITY

▲ Take advantage of the benefits

Aerocon Flex-O-Boards are ideal for architects and interior designers who have a passion for making the execution of innovative and imaginative designs possible.

Multiple applications

The pure white, silky smooth surface of Aerocon Flex-O-Boards ensures they blend perfectly with the rest of the decor without the need for any further surface treatment. If colour is to be applied, their negligible free lime content allows easy painting and longer retention.

Greater durability

Immune to changing weather conditions and temperature, Aerocon Flex-O-Boards are warp-free and resistant to moisture, corrosion and vermin. By adding strength to structures to make them stand the test of time, they offer unmatched value for money.

Higher safety

Since they are non-combustible and do not transmit electricity easily, Aerocon Flex-O-Boards add an element of assurance and safety to every project. To ensure an immaculate standard of quality, each board reaches you only after successfully passing through rigorous testing procedures.

Areas of Application

- Exterior Cladding
- False Ceilings
- Mezzanine Floors
- Partitions
- Door & Window Panels
- Temporary / Emergency Structures
- Industrial Buildings

