

CATEGORY

PROVEN TECHNOLOGY CATEGORY : GHTC-INDIA



PRODUCT / TECHNOLOGY



Scan QR Code for
Technology Detail

PREFABRICATED FIBRE REINFORCED SYSTEM / SANDWICH PANELS

Alternative to conventional bricks/blocks masonry wall



Scan QR Code for
Video

CONTACT DETAILS

M/s HIL Ltd

Contact Person: Smt. Pratima Kumari
Address: 7th Floor, SLN Terminus, Survey No. 133,
Gachibowli, Hyderabad- 500032
E-mails: pratima.kumari@hil.in
Mob: 7995666449



BRIEF

Aerocon panels are sandwich panels, made of two fibre reinforced cement facing sheets, on either sides of a lightweight concrete core. The core is made from a mix of Portland cement, binders and siliceous&micaceous material aggregate. These panels have a unique tongue and groove jointing system that facilitates rapid construction and are fully cured at the factory itself. These panels are of manufactured by using Flexo Board (FOB)/Fibre Cement Board (NT).



SALIENT FEATURES

- Cost effective.
- Superior thermal & acoustical insulation.
- Termite & mould resistant.
- Good fire resistance.
- Strong and durable.
- Multipurpose application.
- Faster Construction.
- Water Resistant.
- Buildings can be easily expanded in length and adding additional bays.

ECONOMIC ASPECTS

- Due to the System approach, there is a significant saving in design, manufacturing and on-site erection cost.
- More carpet area.
- Low maintenance cost.
- 5 times faster than Brickwork, thereby saving time & cost.
- Addition 3-5% carpet area.



SUSTAINABILITY ASPECT

- Reusable up to 80%.
- The product is green as core contains materials such as pulverized fly ash and light weight aggregate which make it light weight & environment friendly.
- Energy efficient with lower 'U' value.

SUITABILITY AND AVAILABILITY

- Suitable to all types of climate
- Available across the country.
- Can take any type of finishing.

LIMITATIONS, IF ANY

- The floor spans executed with movable forms shall not be more than 5.60 m.
- Suitable for single storey load bearing structure, as infill wall in Non-load bearing structures.





MARKET LINKAGES

- Available Pan India.

MAJOR PROJECTS

- Custom Cabins at Bhachau, Kutchh dist., Gujarat.
- Fysolate Pharma, Vizag
- Chatrapati Super Speciality Hospital at Mumbai.
- Fylfot Public School, Dehradun.
- Alpha International City, Karnal.
- Hostel block, Aligarh University.
- BM Birla Heart Research Centre, Kolkata
- Calcutta Medical Research Institute, Kolkata
- Birla Institute of Technology, Mesra, Ranchi
- Modern High School for Girls, Kolkata
- Rukmani Birla Modern High School, Jaipur.

CERTIFICATION/INDIAN STANDARD/ENDORSEMENT

- Approved by BMTPC under PACS.

