

CATEGORY

**BUILDING SYSTEMS**



PRODUCT / TECHNOLOGY



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Technology Detail

**AEROCON PANELS WITH STEEL STRUCTURAL SYSTEM**

*Alternative to conventional RCC framed structural system with  
bricks/blocks as infill walling material*



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Video

**CONTACT DETAILS**

**M/s Prefabulous Homez LLP.**

Contact Person: Shri Moahmmmed Shaakeer Hussain

Address: F No.120 C, Sovereign Shelters, Niloufer Hospital Road,  
Lakdikapool, Hyderabad, Telangana 500004

E-mails: [prefabuloushomez@gmail.com](mailto:prefabuloushomez@gmail.com)

Mob: 9014424242



**BRIEF**

The agency is service provider for design, manufacturing & construction of Prefabricated buildings. For building construction, it primarily uses prefabricated Aerocon panels along with steel structural frame. Aerocon Panels are produced by Hyderabad Industries Ltd. (HIL, Birla Group), which are cement sandwich panels made of two fibre reinforced cement facing sheets, on either sides of a light-weight concrete core. These panels have a unique tongue and groove jointing system that facilitates rapid construction and are fully cured at the factory itself.

The Agency is also engaged in steel fabrication works, steel industrial sheds, false ceiling works, roofing solutions etc. Prefabulous Homez Llp is a Limited Liability Partnership firm incorporated on 03 March 2021.





## SALIENT FEATURES

- Aerocon panels have Superior thermal & acoustical insulation.
- Good fire resistance
- Multipurpose application.
- Faster Construction.
- Water, Termite & mould Resistant.
- Cost effective
- Steel sections used as structural components, increases the speed of construction & durability of the structure

## ECONOMIC ASPECTS

- Easily to erect and less time of construction.
- Less manpower requirement.
- Lower maintenance requirement
- Provides higher carpet area about 3-5%
- 5 times faster than Brickwork, thereby saving time & cost.







## SUSTAINABILITY ASPECT

- Aerocon panels are 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.
- Steel used can be recycled multiple times

## SUITABILITY AND AVAILABILITY

- Aerocon panels are suitable for all climatic conditions
- Easily available via orders across country.

## LIMITATIONS (IF ANY)

- Suitable for single storey load bearing structure, and as infill wall in Multi-storied buildings.





## MARKET LINKAGES

- Pan India Availability.

## MAJOR PROJECTS

- Various projects in and around Hyderabad.

## CERTIFICATION/INDIAN STANDARD/ENDORSEMENT

- Aerocon panels are certified under PACS of BMTPC

