

CATEGORY

PROVEN TECHNOLOGY CATEGORY : GHTC-INDIA



PRODUCT / TECHNOLOGY



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Technology Detail

QUIK BUILD – 3D EPS CORE PANEL SYSTEM

Alternative to conventional bricks/blocks masonry wall



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Video

CONTACT DETAILS

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BRIEF

QuikBuild Construction System is a premium product that uses prefabricated panels consisting of super insulated core of expanded polystyrene sandwiched between two custom engineered sheets of special rust-protected steel welded mesh to create a strong shell for the building. The wall panel receives its strength and rigidity from the diagonal cross wires welded to the welded-wire fabric on each side. This combination produces a truss behaviour, which provides rigidity and shear terms for a full composite behaviour. These panels are used in the construction of exterior and interior load bearing and non-load bearing walls and floors of buildings of all types Construction.

A special mix of concrete is then applied using traditional method or a shot-creting machine to create a monolithic structure. QuikBuild brings the strength of steel in to your walls while providing space saving, lower air conditioning cost etc. Our products help you achieve the Green Certification for your building.

The complete structure is reinforced with 2-3 mm (zinc quated steel wire mesh specially designed such that up to G+2 structure there is no need of beams & columns and even Lintel are not required in the QuikBuild





SALIENT FEATURES

- There is no need of beams & columns and even Lintel are not required in the QuikBuild system.
- Light weight, easy to handle and assemble,
- Fast in Installation with saving in time (50 % of time vs conventional construction)
- Panel's biggest advantage is that reduces material and labour cost (10 % saving).
- Insulated and sound proof.
- Fire resistant (Fire rating up to 2 hours).
- Passed bullet penetration test for 6in wall tested at CRPF Avadi.
- Are designed for flexibility making any kind of geometrical form.
- Earthquake, cyclone and weather resistant.
- Termite proof.
- Panels work is completed with smooth finish. Overall cost of construction 10-15% less as compare to conventional construction.
- The Quikbuild structure can be designed to withstand wind loads of up to 400KM/hour

ECONOMIC ASPECTS

- Fast in Installation with saving in time (50 % of time vs conventional construction).
- Panel's biggest advantage is that reduces material and labour cost (10 % saving).
- 10% more carpet area. Very effective and huge savings in metro cities.
- 10-15% cheaper than conventional construction.





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SUSTAINABILITY ASPECT

- Structure will be thermally insulated and reduces consumption of energy (30- 40% saving).

SUITABILITY AND AVAILABILITY

- Suitable to all climatic conditions.
- At present manufacturing plant for this Technology is available in South, West and North India. Company is planning to set-up a plant in East India in near future.
- Compatible with any kind of technology.

LIMITATIONS, IF ANY

- As per Manufacturer's Specification

MARKET LINKAGES

- Available Pan India





MAJOR PROJECTS

- Jeevodaya Hospital, Chennai
- PMSSY, Jhansi Medical
- PMSSY, Odisha Medical
- Govt. Hospital Karnataka Mortuary
- CPWD-IIT jammu
- Odisha Railway Qtr.
- Rohini Govt. School
- Hotel, Kodaikannal
- Old Age Homes, Coimbatore
- Anganwadi Paderu taluk Vizag Dist.
- Northern Railway – G+1 S&T Building at Varanasi
- UHBVN Panchkula – G+7 External Wall
- HQ 4 Corps, 102 Regiment, Indian Army- Tezpur – OJL Shelter

CERTIFICATION/INDIAN STANDARD/ENDORSEMENT

- QuikBuild is thoroughly tested and certified by various govt. Institutions for which we are pleased to provide necessary certifications.
- IIT (Madras).
- CISR- SERC Chennai
- BMTPC under PACS
- MSME Mumbai.
- Platinum rating award for QuikBuild Farmhouse given by Indian Green Building Council.

