

CATEGORY BUILDING SYSTEMS



PRODUCT / TECHNOLOGY



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Technology Detail

ECOPRO FIBRE CEMENT BOARD WITH LGSF SYSTEM

*Alternate to conventional RCC framed structure with bricks/blocks
as infill walling material.*



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Video

CONTACT DETAILS

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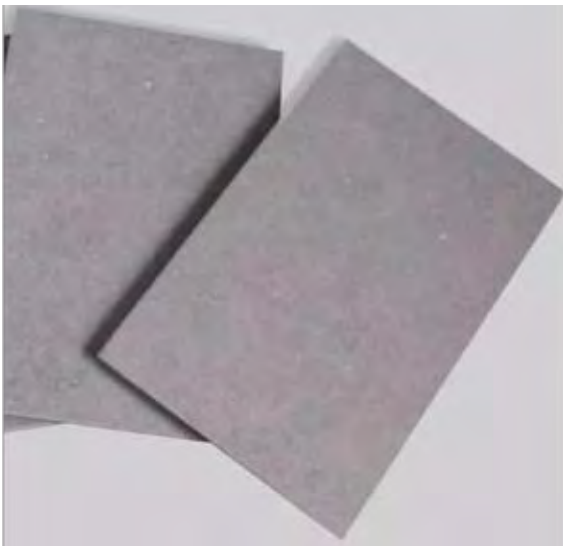
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BRIEF

It is a dry wall construction system with Light gauge steel framing (LGSF) & EcoPro Fiber cement boards, which can be used for External as well as internal walls.

EcoPro Boards are manufactured from a homogeneous mixture of cement, pozolana, a superior grade of cellulose fibre and binders of a siliceous base. It is lightweight, contains No VOC/ No Formaldehyde and is an A1 non-combustible weatherproof building board. External wall consists of 9 mm EcoPro HSB with 8 mm thick EcoPro designer Planks, and internal wall with 8mm EcoPro Plus board and 12.5 mm gypsum Board. Wall cavity is filled with 48kg/m³ density mineral wool insulation. For False ceiling, Grid with 595mm x 595mm EcoPro tiles can be made. The floor/roofing metal sheet comes with under deck glass wool Insulation.

The system application areas include commercial, residential, educational institutes, public utility, hospitality spaces etc.



SALIENT FEATURES

- System is a speedy, innovative and a sustainable building solution to enable cost-effective & quality construction
- Being a dry construction, no plastering or curing is required, hence amounting to huge savings of water, sand etc.
- Structure being light, does not require heavy foundation
- Panels & Structural elements can be transported to any place including hilly areas to remote places easily and structure can be erected fast
- Structure can be shifted from one location to other without wastage of materials
- Good thermal insulation can be achieved
- The system is earthquake & cyclone resistant

ECONOMIC ASPECTS

- Cost Effective.
- Reduces construction time significantly
- Do not require skilled manpower.



SUSTAINABILITY ASPECT

- Saves Water
- Steel can be recycled multiple times
- Reduces cooling load.

SUITABILITY AND AVAILABILITY

- Suitable for all type of climates
- Availability is across the Country

LIMITATIONS, IF ANY

- Electrical cables need to be properly insulated with mini circuit breakers
- The labors are required to be trained for fabrication/assembly works
- Plumbing & electrical services need to be pre-planned



MARKET LINKAGES

- Pan India Availability

MAJOR PROJECTS

- Skill centre ,Uttarakhand – 5,200 sqmt.
- The Roots Resort, Panvel, Maharashtra - 10,000 sqmt (Seven star hotel with 40 rooms).

CERTIFICATION/INDIAN STANDARD/ENDORSEMENT

- TUV Austria Certified

