



FTS BUILDING SYSTEMS LLC

Allure of brickless solutions

FTS BUILDING SYSTEMS LAUNCHES BRICKLESS CONSTRUCTION IN DUBAI TO OFFER STATE-OF-ART TECHNOLOGY TO MENA AND CIS MARKETS

AFTER successfully implementing projects in Australia, Qatar, Oman, Bahrain, India, Philippines, Nigeria, Tanzania, Feroz Khan, Director, FTS Building Systems LLC, announced the opening of its corporate office in Dubai.

"The construction industry in the Middle East is going to boom with 15-20 per cent using newer technologies and we see Dubai as a focus market. The construction now demands methodology that calls for the best aesthetic look, high quality and fast construction, cost-effective and innovative touch," states Khan. "It is an integral part of the company's strategy to invest in infrastructure and reach out to a wider group of international commercial centres by offering innovative building solutions," he added.

The Dubai office will cater to demand across all three segments i.e. residential, commercial and industrial from Africa, Middle East and CIS countries. FTS Building Systems LLC will be adopting the licence route; whereby FTS Building Systems LLC will provide the necessary support to the licensees in taking up and successfully executing the turnkey projects in Middle Eastern and African markets.

Plaswall™ and Plasmolite™ are the master offerings, which save the hassle of brickwork, hollow-block and plastering. This technology takes just half the time compared to conventional systems, resulting in quicker installation and lesser dependency on skilled labour, improved fire rating and maximum sound absorption. Plaswall™ and Plasmolite™ are here to boost the growth of these markets as it will fulfil the need for industrial and residential projects. It is the cleanest building system in the market.

Visit FTS Building Systems at A142 during the Big 5 exhibition

This brickless technology uses composite cement board that requires significantly less skilled labour for assembly process to build high-quality structures. Rapid urbanisation, tremendous shortage of skilled labour and the need for having hassle-free construction methods are a trigger to offer brickless technology to build homes faster.

Given the gigantic need for housing in relation to the growing population, brickless technology will be the future of most countries.

Plaswall™ and Plasmolite™ are adaptable in even the most extreme climatic conditions, take up much less space than conventional construction and withstand earthquakes and cyclones better, informs Khan.

They replace all traditional materials used for construction such as wood, steel and aluminium. Manufactured from specially designed plastic spacers made of 100 per cent recycled plastic and composite cement boards, these are green products. They can save up to 40 per cent energy while heating or cooling, offer design flexibility and can be well-integrated with conventional columns and beams.

Using this technology reduces construction time by a third as these products require minimal skilled labour and



Feroz Khan

can be constructed at the site itself. The dramatic savings in material costs and time translate into early returns on investment for developers.

The pre-fabricated and pre-engineered concrete industry is growing by 30 per cent year-on-year with further growth forecast in light of governments favouring concrete products pre-fabricated on site.

With a panel thickness of merely four inches, Plaswall offers more carpet area than the conventional walls which take up seven to nine inches.

Plasmolite, which is lighter and has

unique properties like low thermal conductivity and high fire resistance are ideal for the construction of high-rise buildings.

Says Khan: "Prefab products use James Hardie boards known for their better quality. James Hardie is the first and largest manufacturer of fibre-cement boards. Our technology is well-proven for quality with various fire, acoustics and thermal certifications. The product is not prone to termite, seepage and leakage when compared to conventional technology. It is because of the quality of the board."

Plaswall is not a precast system and its engineering requirements are not different from regular RC walls and structures it also meets all the building codes across the globe. This technology does not limit in any way any kind of architectural plan. In terms of cost, it is cheaper than even the lowest cost alternatives in most cases and locations. Even conventional builders can adopt and use it easily.

The conventional plywood formworks are both expensive and time-consuming as they require highly



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skilled carpenters and large amount of materials to produce as structure. Repair and rendering works are required even after the forms are removed another factor is that many of the materials in this system are not reusable.

Steel formworks on the other hand require large capital outlay. Cranes, large amounts of scaffold and manpower are required as they are too heavy

to install. Rebars are difficult to install even with the assistance of cranes. As rendering and finishing of concrete still needs to be done this limits architectural design flexibility.

In contrast Plaswall, because it is a prefabricated fibrecement formwork, is much lighter and simpler to install. Only wall braces are needed as support for concreting. After the concret-

ing, jointing and final coat of paint, the spacers hold rebars in correct position even without wires. Electrical and plumbing work are carried out before the concrete is poured.

Plaswall is suitable for all types of construction from socialised housing to commercial structure. It is ideal for hot climates due to its requirement of zero rendering.



Visit us at stand No. A142 - Maktoum Hall

PLASMOLITE™
Birth of brickless construction

Gives a new meaning to Construction



Brickless

5 reasons to switch to Plasmolite

- Saves you from the hassles of brickwork
- No Hollow-block and plastering
- Takes just one-third of the time when compared to conventional construction
- Saves raw material (no gravel) and steel reinforcement
- Ensures improved fire rating and maximum sound absorption.

Dubai Office

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