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CRAFT FOR
CREATIVE
CONSTRUCTION.



EPS | CEMENT SANDWICH
PANEL





ABOUT PRODUCT

EPS Cement Sandwich Panel is a lightweight energy saving wall material, which uses cement fibre board as face panel, filled with cement, Expanded Polystyrene (EPS) foam particles, and as core material and forming by one compound. EPS panels are a viable option owing to their sheer strength and durability and are best suited for walls, ceiling & roofing.



ADDITIVES



EPS
Expanded Polystyrene
Foam Particles



CEMENT FIBRE
BOARD



CEMENT



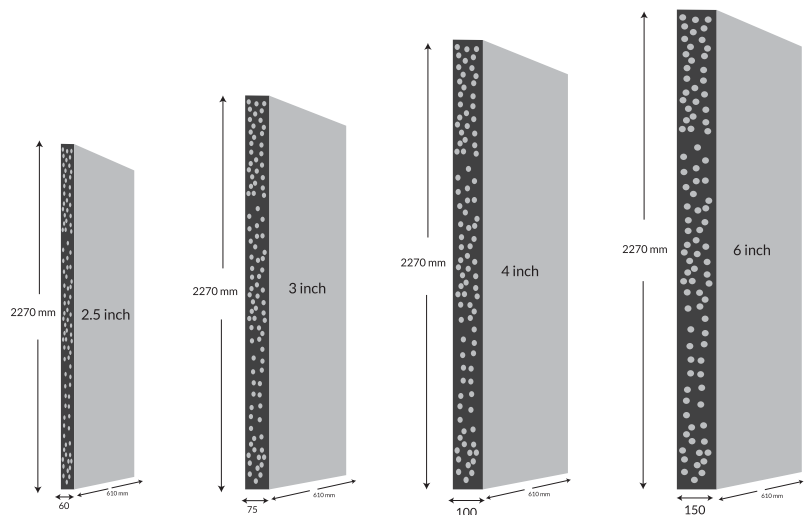
SAND

ABOUT MATERIAL

XMPLE Panel is a lightweight energy saving wall material, which uses cement fiber board as face panel, filled with Cement, Sand and Expanded Polystyrene as core material forming one time compound.

Xmple Panels are suitable for

- ✓ Exterior & Interior Wall
- ✓ Flooring
- ✓ Roofing



PANEL THICKNESS & DIMENSIONS

01



WATER RESISTANT & WEATHER PROOF

Xmple EPS Cement Sandwich Panels can be used for both Interior and Exterior Applications. These Readymade Partition Panels are completely weather proof and do not deteriorate when exposed to rain, wind, dust or extreme heat. Making it an All-weather proof material.

02



TERMITE PROOF

As Xmple EPS Cement Sandwich Panels are mainly composed of Portland Cement and extruded polystyrene, these panels are termite proof and cannot be destroyed by termites. Hence, making it a suitable alternate for other materials such as Plywood, MDF Board or Gypsum Board.

03



EASY TO INSTALL

Where a standard brick Wall of 500 Sqft takes up to 5 to 7 days for completion excluding the time taken for Curing and plastering, xmple EPS Cement Sandwich Panels take only 1 day for constructing a 500+ Sqft Wall and requires no curing and plastering at all. They can be easily transported and shifted without any problems.



EPS CEMENT SANDWICH PANELS CHARACTERISTICS

04



FIRE RESISTANT

With a Continuous heating resistance of up to 86 degrees, xmple EPS Cement Sandwich Panels have a very good resistance towards fire and heat and comply to all Fire Standards.

05



LOW SHRINKAGE

Apart from being Lightweight and Durable, Xmple EPS cement sandwich panels have a very low shrinkage or deterioration level, giving it a Guarantee and a very high longevity of up to 25 to 30 years.

06



DURABLE

When compared to standard Cement brick walls, Xmple EPS Cement Sandwich Panels are very lightweight and Durable. They can be easily transported and installed in places that have a very low load bearing capacity. Making it a good product for being for both Interior and Exterior projects.



ADVANTAGES OF EPS CEMENT SANDWICH PANEL

RE-USE AND MOBILITY

Xmple EPS Cement Sandwich Panel is the only material that allows disassembling the construction and erecting it somewhere else. And at the same time, due to its light weight of Cement Sandwich Panels, transportation and installation is very cheap.

CONSTRUCTION PROMPTNESS

Xmple EPS Cement sandwich panel is a less time-consuming method due to its tongue and groove system. Apart from being light weight, these panels do not require any form of curing. Making it fast and economical solution.

SPACE UTILIZATION

With Xmple EPS Cement Sandwich Panel, it is very much possible to increase the useful area of the building due to its significant decrease in thickness of walls and the partitions.

NO CHANNELS REQUIRED FOR FIXING WALLS

Unlike any other partition material, Xmple EPS Cement Sandwich Panel doesn't require any 'C' channels for fixing. Xmple EPS Cement Sandwich Panel are directly fixed to the ground/slab.

HYGIENE

Xmple EPS Cement Sandwich Panel meets sanitary and environmental standards, including the standards of housing construction. The panel is asbestos free and does not allow the growth of fungus, bacteria or mould. Thus, making it an Eco-friendly product

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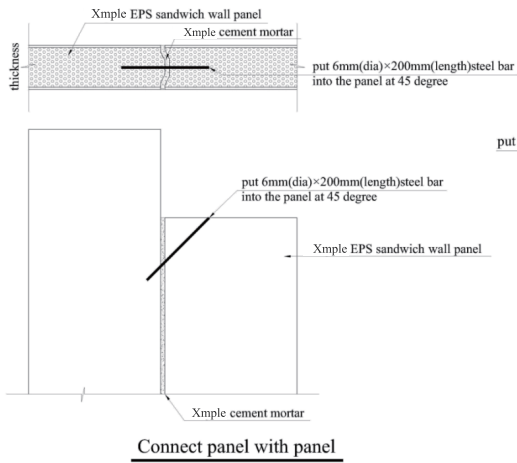
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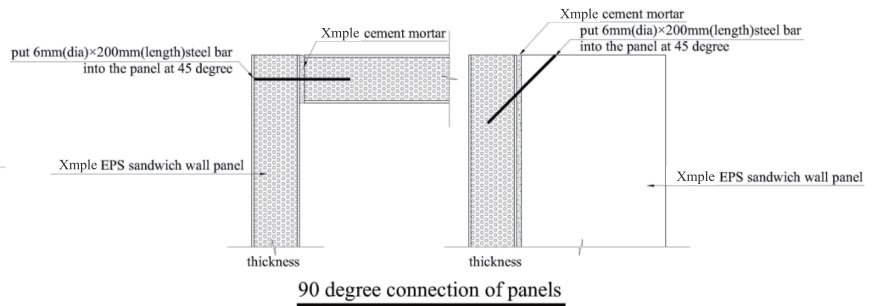
FEATURES	2.5 INCH	3 INCH	4 INCH	6 INCH
Dimension (mm)	2270x610x60	2270x610x75	2270x610x100	2270x610x150
Weight (kg/m ²)	45-48	50-53	60-65	80-90
Packing 20T (pcs)	315	252	189	126
Packing 40T (pcs)	391	354	289	156
Application	Interior/Celling	Interior	Exterior/Interior	Exterior
Composition	FACE BOARD: 4MM CEMENT FIBRE BOARD CORE SANDWICH: EPS FOAM +CEMENT+SAND	FACE BOARD: 4MM CEMENT FIBRE BOARD CORE SANDWICH: EPS FOAM +CEMENT+SAND	FACE BOARD: 4MM CEMENT FIBRE BOARD CORE SANDWICH: EPS FOAM +CEMENT+SAND	FACE BOARD: 4MM CEMENT FIBRE BOARD CORE SANDWICH: EPS FOAM +CEMENT+SAND

PANNEL INSTALLATION NODE DIAGRAM

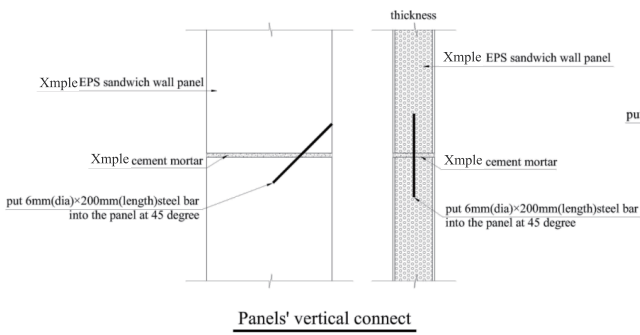
01 Horizontal Connection



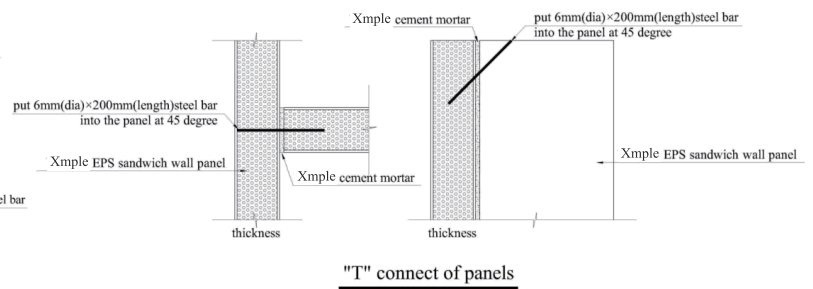
02 90 Degree Connection of Panels



03 Vertical Connection



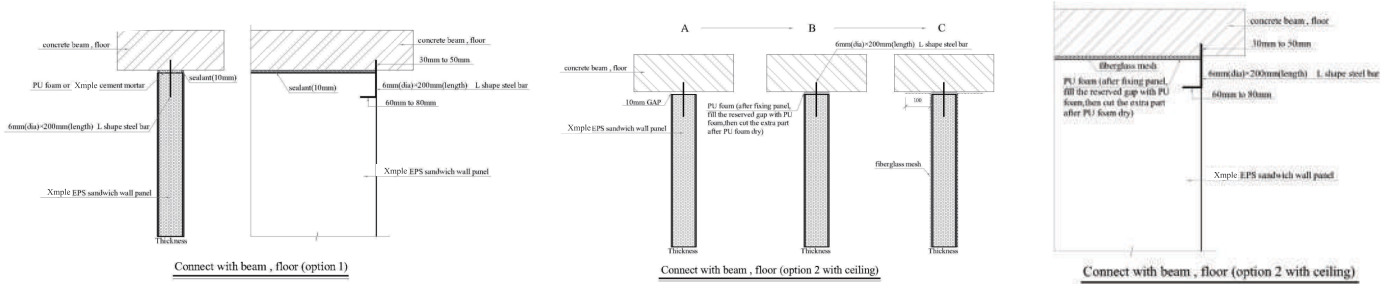
04 T-Connection of Panels



PANNEL INSTALLATION NODE DIAGRAM

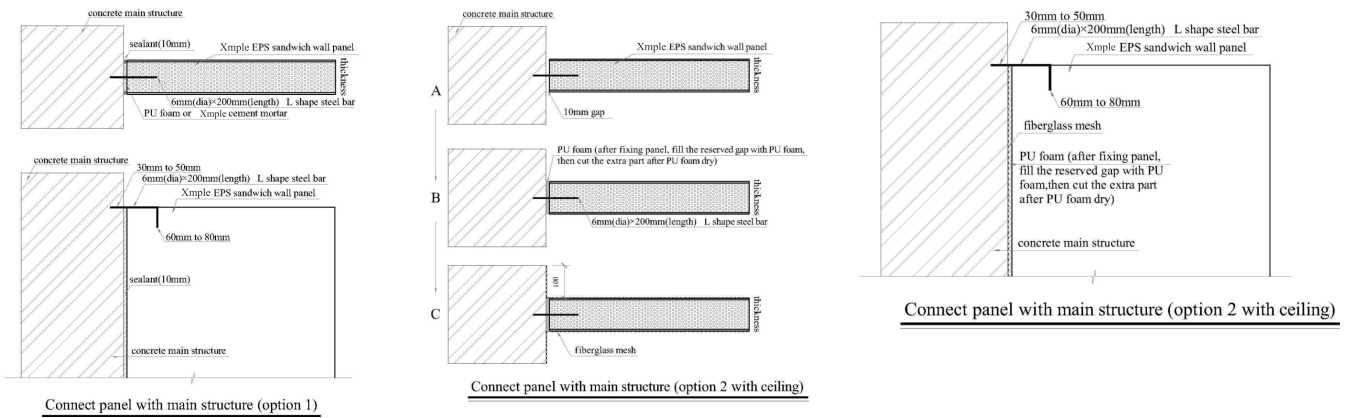
05

Connection with Floor & Beam



06

Connection with Structure (column)





EPS

CEMENT SANDWICH PANEL



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