

PROPERTIES

FLEXIBILITY: Vitapur pre-fabricated modular building units offers great flexibility. They are easy to relocate and re-adapt for a different use. They can also be expanded or reduced to meet changing space needs.

EFFICIENT CONSTRUCTION: Vitapur Prefabricated Buildings provide a number of inherent efficiencies and productivity gains over traditional construction methods. They greatly reduce construction time and costs, leading to increased project productivity and ultimately generating greater Return On Investment (ROI).

LONG LASTING: Vitapur Prefabricated Buildings are durable and can last as long as traditional buildings. They can be built as large single floor or multi-storey complexes; all designed and developed, built and installed within a very short span of time.

THERMAL CONDUCTIVITY: They have extremely low thermal conductivity values making it an ideal insulation material.

EASE OF INSTALLATION: Installation is fast and easy ensuring cost-effective, efficient construction.

APPLICATION AREA

- Industrial Buildings
- Commercial Buildings
- Residential buildings
- Construction sites
- Temporary buildings
- Warehouses
- Factories



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**PRE-FABRICATED
MODULAR BUILDING UNITS**

OUTER

INNER



PRE-FABRICATED MODULAR BUILDING UNITS

Prefabricated Modular Buildings units serve as a quick and efficient alternative for a variety of temporary and permanent building solutions. Suitable for a wide range of applications - an in-plant manufacturing office, an on-site construction office, or an extension of an existing structure - a modular structure offers ease, flexibility, and cost savings. Modular construction has few limitations and can be built as large single floor or multi-story complexes all designed and created to meet the specific needs of the end user.

VITAPUR pre-fabricated modular building units offer a speedy build in a factory setting where the environment is weather safe with a rigorous process for quality control. These benefits of manufacturing construction minimize any potential project delays due to extreme weather conditions which happens during on-site construction, and ensures that the highest standards in workmanship is being met during the manufacturing phase. These benefits result in cost savings from a condensed project schedule and minimal re-work due to mistakes or omissions.

VITAPUR Pre-fabricated Building solutions are an efficient way to build functional and aesthetical beautiful structures in record time, at significantly cheaper costs when compared with traditional methods.

VITAPUR pre-fabricated modular building units are absolutely ideal for providing workforce housing accommodation, real estate offices, classrooms, medical centers, recreation centers and others.

THERMAL CONDUCTIVITY(K value)

EXPANDED CLAY	0.100
STRAW	0.090
WOOD WOOL	0.060
COCONUT FIBER	0.050
CORK SHEET	0.045
MINERAL WOOL	0.040
POLYSTYRENE	0.035
POLYURETHANE	0.024

* IN WATTS PER METER AND KELVIN (W/mK). THE LOWER THE VALUE THE BETTER THE INSULATION

SPECIFICATIONS

- Panel thickness available: _____
- Panel width available: _____
- Panel length available: _____
- Average density: _____
- Thermal conductivity: _____
- Temperature range: _____
- Free from CFC: _____
- Type of foam: _____
- Heat transfer coefficient: _____
- Pressure: _____
- Cubic Area Change: _____

35 mm PUF is equal to

50 mm EPS (Thermocol)
55 mm Glass wool
60 mm Mineral wool
80 mm Fiber board
175 mm Wood
475 mm Concrete
1075 mm Thick Brick work

ADVANTAGES

- It saves on time; a modular building project can be completed in roughly 2/3 the time of conventional construction.
- Its cost-effective and easy to install.
- Greater design flexibility ; it is easier to replace and modify according to owner's future needs.
- Less generation of waste on site resulting in less dumping costs and a cleaner job site.
- Better and cleaner disposition of technical installations.
- Greater acoustical and thermal comfort.
- Capacity for rapid erection without lifting equipments.
- Easier installation in hostile weather conditions.
- Higher accuracy and precision in construction.

