






PAN PACIFIC ENGINEERING PTY LTD

# LITEBLOK™



**THE ULTIMATE HIGH-TECH BUILDING BLOCK**  
**Mortarless, interlocking, easy to assemble and erect.**

-  ENERGY EFFICIENT
-  LIGHTWEIGHT
-  INSULATING
-  FIRE RESISTANT
-  SOUND ABSORBING
-  VERMIN & TERMITE RESISTANT



# WHY CHOOSE ANYTHING ELSE?

## ADVANTAGES

Building costs reduced by up to 30% compared to other construction methods due to:

- Material cost savings
- Labor cost reduction
- Fast construction time
- Simple construction method
- Minimizes skilled labor requirement

## INNOVATION

Self supporting structures. No need for external structural elements. Columns are formed in some of the holes by inserting reinforcement bars, which are subsequently grouted. The distance between them depending on structural requirements.

Perfect fit of the blocks, no mortar required to join them.

Perfectly smooth walls, only a layer of thin set mortar or textured paint is needed.

Easy installation of services through the vertical holes. Blocks can be cast with electrical boxes or water taps incorporated.

## TESTING STANDARDS

- **LITEBUILT® Aerated Concrete** complies with ASTM, BS, European and Australian Concrete Construction Standards.
- The material has been Fire Tested to Australian and various International Standards.

## CONSTRUCTION METHOD

The **LITEBLOK™ Integrated Building System** is a seismically resistant building method. It features high compressive strength, has a high insulation capacity due to its low density, has a high sound absorption value and is vermin and termite resistant.

The perfect fit of the blocks due to the shape will give you perfect alignment and right angle geometry, without mortar.

Since there are no external structural elements required (columns and beams), the construction is incredibly simple, fast and economical. The blocks are precise, dimensionally accurate and are perfectly aligned.

Depending on local requirements, load bearing structures require certification by a licensed Civil Engineer. Pan Pacific Engineering Pty Ltd can provide this support function or coordinate with the nominated Engineer.

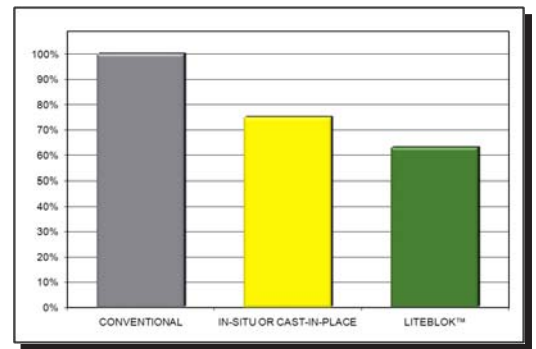
**LITEBUILT® Aerated Concrete** and **LITETOP™ Renders** in conjunction with the **LITEBLOK™ Integrated Building System** is an environmentally friendly and sustainable construction method, not using any finite, petrochemical or solvent based products. Due to the aeration process, considerably less raw material is required when compared to regular concrete construction. Very significant energy savings are achieved during the lifetime of such structures due to the insulating properties of the material, requiring far less energy for heating or cooling.

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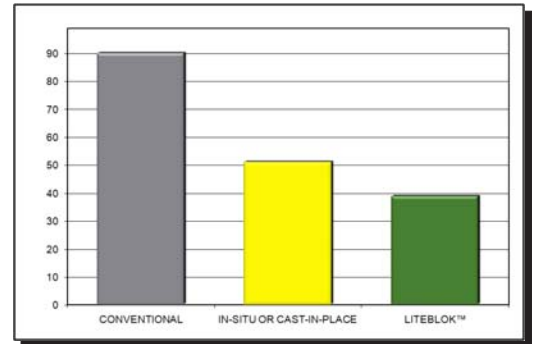
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COST COMPARISON (IN %)



CONSTRUCTION TIME (IN DAYS)



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