



PAN PACIFIC ENGINEERING PTY LTD

The DIY Wall System



LITEBLOK™

Mortarless, easy to assemble and erect.



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LITEBLOK™

The LITEBLOK™ is a precision, interlocking building block which requires no mortar and requires little skill to lay. Made of LITEBUILT® Aerated Concrete which is light, provides insulation and is fire resistant makes building with it a breeze.



LITEBLOK™ walls are 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.

For simple, low retaining walls, you need to level the ground, and have a compacted aggregate base to build on.

Using a stringline, lay down your first row of LITEBLOK™ on a mortarbed in a straight line and check also the horizontal alignment.

Insert 1/2" re-bars in the first and last hole of the wall and drive them well into the ground. This is repeated, depending on loads, at least every 24" (or every 5th hole) along the wall, more frequently if there are loads involved. If there are corners the 3 adjoining holes are prepared in the same way, or if there are T's, 4 holes are grouted. Let the mortar set.

Lay the blocks in a brick pattern to ensure the interlocking action. Once you have reached the desired wall height, form up – with wooden planks or plywood – a ring beam on top, with horizontal re-bars and the vertical bars bent and tied in.

Please note: Load bearing structures and retaining walls may require certification by a licensed Civil Engineer depending on local Building Regulations, height and loading. Pan Pacific Engineering Pty Ltd can provide this support function or coordinate with the nominated Engineer.





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LITEBLOK™

Angle Buttness for stability and appearance



**Construction of a raised display
Botanical Gardens Fayetteville AK**



One year after the event.



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LITEBLOK™ walls can be rendered (skim coat, 1/8" thick, bagged or finished with our LITETOP™ Polymer Concrete render which provides superior strength (13,000psi) and great flexibility.



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PO BOX 935
MOUNT WAVERLEY VIC 3149
AUSTRALIA
PHONE (03) 8786 3889
EMAIL ppmr@litebuilt.com
WEBSITE www.litebuilt.com

CRESCO CONCRETE PRODUCTS, LLC

1905 JOHANNA DR, SUITE B2
HOUSTON, TX 77055
USA
PHONE (713) 589 5043
EMAIL info@crescoconcrete.com
WEBSITE www.crescoconcrete.com

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