ECO-BLOCK
NEW ZEALAND
Insulated Concrete Forms

Simpler. Faster. Better.

# The advantages of ECO block wall systems…

**Energy Efficient** ☑
ECO-Block walls are airtight with an insulation value of R 3.78. Savings of 50% (or more) on heating and cooling costs are possible.

**Cost effective** ☑
The cost to build your ECO-Block home is comparable to that of other forms of construction, but with numerous additional benefits.

**Healthy** ☑
ECO-Block walls provide an airtight and water resistant envelope. ICF's will not support mold growth ensuring a superior indoor air quality.

**Sound Proof** ☑
Walls constructed with ECO-Block forms dramatically reduce outside noise pollution.

**Increased Strength** ☑
Nothing rivals steel-reinforced concrete for strength. Unlike timber, concrete is stable and will not warp, twist, or rot.

**Environmentally friendly and sustainable construction** ☑
ECO-Block has designed its system to be kind to the environment, reducing the pressure on natural resources

**Less bracing, faster construction time, less cost** ☑

**Trade friendly installation of electrical, mechanical and plumbing**

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# What is ECO-Block?

ECO-Block Insulated Concrete Forms, or (ICF's) is the world's most advanced ICF technology. From the initial manufacturing of our ICF product to the construction site to finished structure, ECO-Block has designed its system to be responsible to the environment. Not only do ECO-Block ICFs provide a more comfortable, healthy living space, they contribute to a 'green' home by reducing energy consumption and improving the building process to support environmental issues.

## TECHNICAL

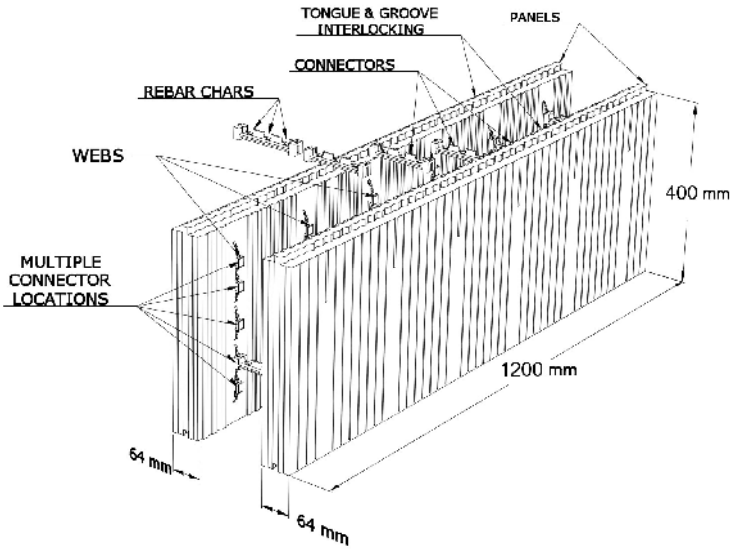
This state of the art method of construction consists of two types of plastic: flame retardant, Expanded Polystyrene (EPS) form the side panels, and high-density plastic form the webs and connectors.
The block has two side panels, each measuring 1200 mm long by 400 mm high by 63.5 mm thick. Every 200mm there is a web that has been moulded into the EPS side panel. These webs provide a fixing strip in the EPS side panel that can be nailed or screwed into for either the interior or exterior claddings.

The connectors join the two side panels to form a block. The cavity made by the connectors can be of varying sizes of 100 mm, 150 mm, 200 mm on up to 600mm. Blocks are quickly assembled on site, and then stacked to build the walls. Reinforced concrete is placed inside the cavity in one monolithic pour which provides the structural strength to the wall. After the concrete cures, the ECO-Block side panels remain in place and provide the insulation for the building.

Because of its unique design, building with ECO-Block also offers numerous other benefits over timber framed and other traditional methods of construction.

## VERSATILITY

ECO-Block gives you unlimited design flexibility to create structures of any size or shape without limitations. Single and multi-story buildings, curved walls, retaining walls, swimming pools, garages….the list is endless!
ECO-Block cuts easily into any shape you need- perfect for unique window openings and arches. You can also choose from our pre-formed corners in varying sizes and angles. And, any exterior or interior finish can be directly applied to the panels.



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# Simpler. Faster. Better.

Foundations and retaining walls…

and curved walls…

Wall systems…

and swimming pools…

Inter tenancy walls…

and multi level…

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# Simpler. Faster. Better.

After construction…

and just about finished…

Window shuttering…

and pouring concrete…

Clean work sites…

and fast construction…

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## For the builder…

- ECO-Blocks are light, fast and easy to use
- You get experienced technical support on site
- No masonry trades are required
- No additional cost to install insulation
- Interior and exterior linings direct fix to the web inside the block
- Versatile

## You can use ECO-Block for…

- General house construction
- Inter tenancy walls
- Foundation walls
- Basement walls
- Curved walls
- Fences & retaining walls
- In situ insulated concrete tilt slabs
- Insulated swimming pools

## What you need to know…..

- ECO-Block surpasses all H1 requirements and is BRANZ tested
- Provides a min R-Value of 3.5 prior to lining
- Made from 65mm thick high density fire retardant EPS
- Provide the greatest strength in wall construction
- Many builders who have used ECO-Block have built their own homes in it…..

## Us and your next Job…..

- ECO-Block NZ is locally owned
- 20 years of ICF construction experience
- Qualified ECO-Block trainers
- On site technical support
- Our friendly team are ready to help you on your next project

## Use ECO-Block for a Simpler, Faster Stronger Solution

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