

ECO-Block New Zealand Limited

Insulated Concrete Forms

Simpler. Faster. Better.

ECO-Block Insulated Concrete Forms are made of closed cell EPS (expanded polystyrene) panels that easily snap together to create walls of virtually any thickness, from 230mm on up in 50mm increments. The space between the panels (100mm on up) is filled with concrete that cures and hardens into a monolithic, reinforced core of incredible strength.

A Few Reasons to Build With ECO-Block Insulated Concrete Forms (ICF)

- **Energy Efficient:** The minute you move into your ECO-Block home, you begin saving money. ECO-Block walls are airtight and have a minimum insulation value of R 3.78 with interior plaster board. Savings of 50% (or more) on heating and cooling costs are possible.
- **Increased Strength:** Nothing rivals steel-reinforced concrete for strength. The concrete is stable and will not warp or twist over time, unlike timber.
- **Healthy:** ECO-Block Insulated Concrete Walls provide a building envelope that is both airtight and resistant to water infiltration. The inorganic nature of the ECO-Block ICF means they do not support mold growth ensuring a superior indoor air quality free from unwanted allergens, pollutants and mold.
- **Fire Rated:** ECO-Block forms are made of flame-retardant expanded polystyrene confirmed by BRANZ Project Number FAR 2251. Up to a 4 hour fire rating can be achieved.
- **Sound Proof:** Walls constructed with ECO-Block forms dramatically reduce outside noise pollution. The result is a superior sound environment similar to a recording studio.
- **Cost:** The cost to build your ECO-Block home is comparable to that of other forms of construction, but with additional numerous benefits at no extra cost.
- **Resale Value:** All the features integrated into an ECO-Block home will add value when it comes time to sell.
- **Environmentally Friendly/ Life Cycle Assessment:**
 - From the initial manufacturing of our ICF product, to the construction site, and on to the finished structure, ECO-Block has designed its system and process to be kind to the environment. In addition to manufacturing under environmentally clean conditions, ECO-Block forms are 50% more efficient to ship and handle than some other ICFs.
 - ECO-Block ICFs reduce the pressure on precious natural resources because they replace lumber used in frame construction with an environmentally clean product.
 - No CFCs, HCFCs, CO₂, or other ozone depleting substances are used or released during manufacturing or construction. In addition, 40% of the ECO-Block ICF panels by weight are made from recycled material.

www.eco-blocknz.co.nz

