



Simpler. Faster. Better.

A warmer, more comfortable home...

Poorly insulated homes are cold homes. They take more energy to heat, more energy to keep warm, and they negatively affect our health.

By changing the way we build, ECO-Block Insulated Concrete Forms (ICFs) are helping to make poor building practices a thing of the past.

ECO-Block ICF homes create a quiet, comfortable home all year long because the walls have high thermal mass, buffering the interior of a home from the extremes of outdoor temperature swings.

- An ECO-Block ICF structure starts with 65mm of fire-retardant, polystyrene foam insulation on either side of a 102mm minimum concrete core. This provides an R-value rating of 3.50. (3.78 with 10mm GIB panel). The R-value is a measure of thermal resistance; the bigger the number, the better the building's insulation effectiveness. In comparison, a conventionally constructed home will typically have an R-value of around 1.8
- ECO-Block homes are warm in the winter and cool in the summer because they maintain stable temperatures. Owners of ICF homes say the absence of cold drafts and unwanted noise are the biggest pluses, even topping the energy saving benefits.
- ECO-Block forms are also ideally suited to forming and insulating concrete floor slab perimeters.
- Savings of 50% (or more) on heating and cooling costs are possible with a well designed home using ECO-Block forms.
- The ECO-Block ICF system effectively performs much better than other systems due to the fact that there is no air infiltration through the system. There is a continuous thermal envelope over both sides of the wall surface and there is a thermal mass effect created by insulating both sides of the concrete.