



What is an ICF Home?

Insulated concrete forms (ICFs) are cast-in-place concrete walls that are sandwiched between two layers of insulation material, usually expanded polystyrene (EPS) foam insulation forms. The foam blocks are stacked as interlocking blocks, connected with steel reinforcing rods. They offer well-insulated, airtight, energy-efficient building enclosures. Also, ICFs are a great fit for regions prone to severe weather because of their strong impact resistance.



In ICF construction, two insulating faces of a foam block are separated by a connector or web and concrete is poured into the cavity. The foam blocks are left in place to provide insulation throughout the life of the home. Any traditional finish from wood to brick to siding can be applied to interior and exterior faces. On the inside and outside an ICF home can display any architectural style.

Why consider ICF?

The foam and concrete structure of an ICF home results in a home that is quiet and draft free. Because the walls are uniformly insulated with a solid sheet of foam inside and out, there is relatively no space for air to seep through. You will not find hot and cold spots on an ICF wall. There are less spaces for air loss and which provides better heating and cooling options. An ICF home provides more comfort and lower energy costs of up to 60% compared to traditional building methods like wood. as well, the energy savings are for the entire life span of the home.

Improved air quality, lower energy costs, strength and durability are all results of building with ICF technology.

If your looking for more information on our ICF homes and their construction, we would love to hear from you.

Greg Hanley

Owner/ Lead consultant
Nidus Development Inc.
St. Johns , Newfoundland
Canada

greghanley@royallepage.ca
1-709-765-8773