

BENEFITS OF ICF CONSTRUCTION

As sustainable building has become the preferred, if not required construction method throughout North America, construction and design professionals are turning to Insulated Concrete Forms (ICF) for their projects.

An ICF building envelope provides occupants with a safe, clean, healthy and comfortable environment in which to live and work. Structures built with Insulated Concrete Forms reduce the buildings carbon footprint throughout its useful life by requiring less energy to heat and cool than structures built with conventional materials.

Homes constructed with ICFs are:

ENERGY EFFICIENT

When combined with the *thermal mass* of the concrete and *lack of air-infiltration* through an ICF wall as well as the proper compliment of windows, doors and HVAC equipment, energy savings of 50-80% are readily achievable.

SAFE

ICF walls provide protection from forces of nature like hurricanes and tornados. Wind tested to 200 MPH, ICF walls protect building occupants from flying debris and projectiles. Buildings are fire rated for 4 hours with ICF construction.

SUSTAINABLE

ICFs are made with expandable polystyrene (EPS), a material that is 100% recyclable, contains no CFC/HCFC, is non-toxic and does not off-gas after production.

QUIET and COMFORTABLE

ICF walls achieve documented Sound Transmission Classifications (STC) of 50 or greater. Outside noise from traffic, airplanes, lawnmowers and leaf blowers is drastically reduced or eliminated all together.