



Insulating Concrete Form (ICF) Technology

BUILDING A SOLID FIT

HARTMAN HOMES prides itself on building homes that fit your lifestyle. We build homes of high-quality, solid construction, which provide greater comfort and security for you and your family. We have discovered Insulating Concrete Form (ICF) technology helps enhance these great benefits while also lowering energy bills and minimizing home maintenance.

- Energy Efficiency is the key advantage of ICFs. ICF walls are virtually air tight. The concrete acts as a thermal mass providing heat absorbing properties, which can reduce your energy bill by 30-40%.
- Disaster Resistance to wind, earthquakes, floods, & fires. Your ICF walls can withstand 200+ mph winds or tornados. Concrete is one of the most resistant construction material to heat & fire.
- Comfort levels indoors is the benefit many buyers cite as being the most attractive feature of an ICF home after they move in. Fewer “hot & cold spots”, fewer drafts, and indoor temperature is more even over time.
- Noise Reduction is key especially for the theatre room! ICF walls let one-third as much sound through as typical wood frame walls.
- Healthy Indoor Air Quality is very important for those individuals with allergies or asthma. The foam and concrete do not provide food for mold and will not allow mold growth in the way that organic materials like wood can.

Our luxury home model was built using Cemstone’s REWARD Wall System. The REWARD Wall System is the only ICF with a

time-saving “drop & go” ledge reinforcement system. The photo displays the pre-assembled ICFs during wall setup. Jody Schachel, our job-site superintendent, claims the REWARD Wall System is easy to use because the forms are lightweight and reversible, so there’s less need for cutting, which, in turn, leads to efficiency on the job site and less wasted materials. ICFs require less equipment on the job site, and they also allow for smaller crews because there doesn’t need to be a separate foundation crew.

A finished ICF home looks just like any other home. Nearly all interior walls in ICF homes are wood or steel frame, constructed as they are in a conventional home. All popular exterior finishes can be readily attached to the ICF wall, usually in much the same way they attach to a frame wall.

So just how expensive is it to get all these extraordinary benefits? ICFs are so efficient to build with and easy to use, that the cost of building an ICF home is only about 2% to 5% higher than building the same house with a conventional wood frame. As soon as you step inside, you will notice that an ICF home is not an ordinary home. It’s not just beautiful, comfortable, and quiet. You can feel that it is solid and built to last.

For more information about the REWARD Wall System used in our luxury home model or more benefits of Cemstone’s ICF wall construction, contact Jason Fritz 651.905.8116 jfritz@cemstone.com

*Information provided by Cemstone Concrete Solutions
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