

ICF Construction – Green Build System

What are ICF Construction and ARXX Walls?

Insulated Concrete Forms (or ICF) are built with a reinforced concrete core sandwiched between 2 layers of expanded polystyrene. They are more energy efficient, stronger and quieter, more stable and longer lasting. It looks like any other house, but heats for a fraction of the cost. It's cooler in the summer and warmer in the winter, and you'll never hear the wind howling outside.

ARXX walls are the #1 Insulated Concrete Wall System in North America. They dramatically reduce the drafts and "cold spots" compared to old fashion frame walls, and will also eliminate most humidity problems. The "thermal mass" of the concrete core stabilizes the temperature in your home so that you can enjoy more constant temperatures, and get even comfort all year round. With it's high R-Values, low infiltration, and high thermal mass, and can save up to 50% of energy costs compared to conventional construction, and your overall operating and maintenance costs will be much lower.

The increased energy efficiency is not just a financial benefit. In the event of a power outage, the R-50 equivalent of the walls helps maintain the comfort zone inside the home for approximately 3X longer than most conventional walls. By saving energy with an ARXX home, you are reducing Global Warming caused by energy consumption, and helping to reduce deforestation by using less wood.

Over the long run, benefits like energy efficiency, disaster and fire resistance, and durability reduce the cost of owning your home. Reduced noise and more constant temperatures mean quiet comfort that you can enjoy all year round. It all adds up to savings that you will enjoy year after year.

<u>Item</u>	<u>Conventional Home</u>	<u>ARXX Home</u>	<u>Comments</u>
Approximate Building Costs	\$200,000	\$208,000	4% More
Potential Energy Savings	\$145/month \$1,740/year	\$102/month \$1,224/year	30% Savings 30% Savings

