



Lasting Value

Over time, Amvic ICF homes become stronger, sturdier and require much less repair and maintenance than conventionally built homes. As a result, they retain their value for a longer period of time. Amvic ICF homes are built to last and get stronger every day.

Comfort

Sound Barrier

Insulated concrete forms provide exceptional sound attenuation. While a wood framed house has a sound transmission class (STC) rating of 36-38, an Amvic ICFs home has an STC rating of 50+ which corresponds to a reduction in over two thirds of transmitted noise. With Amvic ICF, you will always enjoy peace and quiet in your home.

Superior Insulation

Amvic ICF system replaces commonly used fiberglass insulation with expanded polystyrene (EPS). Traditional fiberglass insulation is a network of intertwined fibres which allows air to move through the gaps in the insulation. Amvic ICFs on the other hand consist of closed plastic cells that together with concrete walls prevent air movement creating an airtight seal around the entire perimeter of a building. Amvic ICF is the premium insulation choice for your long-term comfort.

High Indoor Air Quality

The use of EPS insulation in Amvic ICF eliminates all air borne glass fibres and insulation settlement caused by fiberglass insulation. Also, the impermeable walls prevent the entry of dust, pollens and pollution. Amvic ICF homes provide the highest indoor air quality and qualify for Enviro-home status in Canada (the highest possible air quality rating given to an occupied shelter).

Superior Structure

Unlike conventional homes where walls and floors loosen and shift over time creating warps and creaks, an Amvic ICF home will remain straight and quiet and make your home more comfortable.

Sustainability

Fire Resistant

Amvic ICFs are manufactured using only approved raw material bead with flame-retardant agents and have a 3+ hour fire rating. Consequently, Amvic ICF homes provide much greater fire resistance than traditional "stick built" homes, making your home safe for you and your family.

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Wind and Storm Resistant

Amvic ICFs are constructed with reinforced concrete, which tremendously increases strength and maximizes resistance to high winds and storms. In addition, drafts typically found where conventional floor joists rest on foundation walls, are considerably reduced due to the system's unique design.

Mould Resistant

Traditional homes are constructed using organic materials such as wood, and are easily infiltrated by moisture which can result in the growth of mould and mildew. Amvic ICF homes virtually eliminate this problem since they are constructed using the highly effective combination of non organic materials, EPS and concrete.

Insect Prevention

Since there is no food value for insects in the Amvic ICF system, the possibility of structural damage due to insects like termites is entirely eliminated. Also, insects cannot penetrate the concrete core of an Amvic ICF wall and therefore cannot enter your home.

Environmentally Friendly

Reduced Emissions

One of the major issues we are faced with today is global warming, which is negatively affecting the environment and weather patterns worldwide. Global warming is a direct result of harmful gas emissions into the earth's atmosphere. An Amvic ICF home reduces energy consumption on average by 30-50% monthly, which translates to an equivalent reduction in harmful emissions. Amvic products can generate as little as 1% construction thus, greatly reducing land filling which produces methane emissions. Furthermore, Amvic uses steam and cold water to produce ICFs. No CFC's, HCFC's, formaldehyde or any chemicals are used in Amvic's manufacturing process and no off-gassing is present.

Saves Trees

Worldwide deforestation adds 1-2 billion metric tons of carbon to the atmosphere annually! In order to protect our atmosphere and ourselves, it is essential to reduce the number of trees we cut down. Every Amvic home saves several trees, which absorb carbon dioxide and give us oxygen. Do your part, build with Amvic ICF.

Recycled Materials

Amvic ICF webs are manufactured using recycled polypropylene. This means that over 60% of the weight of an Amvic ICF block is comprised of recycled materials.

