Building better... together

amvic
building system

stronger every day

Evolving in a dynamic industry

Overview

The construction industry is evolving with the growing use of Insulated Concrete Forms (ICFs).

Amvic ICFs are hollow, lightweight, "stay in place" forms made of 2 panels of Expanded Polystyrene (EPS) that are connected by polypropylene webs.

To make walls, the forms are stacked together then filled with concrete which creates a stable, durable and sustainable structure.

ICFs offer a comprehensive 5 in 1 building solution that provides:

- structural strength
- insulation
- vapour barrier
- sound barrier
- surface for installing drywall and exterior siding

…all in one step!

As concrete cures it becomes stronger; Amvic ICFs guarantee your home becomes **stronger every day.**

Amvic understands your needs

Amvic employees are energetic, motivated and committed to providing you with the highest quality products and service in the industry. Our impressive rate of growth and current success as a leading manufacturer of insulated concrete forms (ICFs) and expanded polystyrene (EPS) can be attributed to the hard work of the entire Amvic community.

Offers exceptional value

All Amvic facilities are equipped with top-of-the-line equipment to ensure the highest quality products are produced. Our entire product line is designed to provide you with superior quality and performance.

Provides unmatched service and prompt delivery

Amvic's exceptional network of facilities and distributors enables us to produce incomparable products that can be delivered promptly anywhere in North America, while providing the best service and support from start to finish of your project.

Our Company
stronger every day

Through decisive industry leadership, Amvic is helping customers realize goals, by offering uncompromised building products and services of long lasting value.

Homeowner Benefits

Amvic has incorporated your needs into the design of our ICFs and we continually strive to provide innovative solutions for strong, safe and healthy homes.

Comfortable

Sound Barrier

An ICF wall provides exceptional sound attenuation. While a conventional wood framed house has a sound transmission class (STC) rating of 36-38, an Amvic home has an STC rating of 50+, a reduction in over 2/3 of transmitted noise.

Superior Insulation

The Amvic ICF system replaces commonly used fiberglass insulation with expanded polystyrene (EPS). EPS is made of a collection of closed plastic cells which prevent air movement and create an airtight seal around your home.

High Indoor Air Quality

The use of EPS results in the elimination of all air borne glass fibers and insulation settlement in the home caused by traditional fiberglass insulation. In addition, the impermeable walls prevent the entry of dust, pollens and pollution.

Superior Structure

An Amvic ICF wall system will maintain its structural integrity. Your concrete home will remain solid, strong and quiet over time.

Cost Effective

Energy Efficient

While the EPS provides insulation, the concrete thermal mass in an Amvic wall reduces temperature fluctuations by absorbing and storing heat. Drafts and hot and cold spots are virtually eliminated and a room's temperature remains consistent from floor to ceiling. This results in approximately 30-50% in monthly savings on energy bills.

Indirect Savings

Amvic ICF homeowners may also enjoy indirect cost savings from flexible financing through energy efficient mortgages (Mid-Country Mortgage) and reduced insurance costs.

Lasting Value

Over time, Amvic ICF homes become stronger and sturdier and require much less repair and maintenance than conventionally built homes. Amvic ICF homes are built to last and as a result, retain their value.



Sustainable

Fire Resistant

Amvic ICFs are manufactured using only approved raw material bead with flame-retardant agents and have a three-hour fire rating. Consequently, Amvic homes provide much greater fire resistance than traditional homes.

Wind and Storm Resistant

Amvic ICFs are constructed with reinforced concrete, which greatly increases strength and maximizes resistance to high winds and storms.

Mould Resistant

Amvic ICF homes reduce the potential for mould and mildew growth since they are constructed using only non-organic materials.

Insect Barrier

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

Environmentally Friendly

Reduces Emissions

An Amvic ICF home reduces energy consumption by about 30-50% monthly, which results in an equivalent reduction in harmful emissions. The construction waste generated is also less than 1%, which reduces land filling and methane emissions. Furthermore, Amvic uses steam and cold water to produce ICFs; no CFCs, HCFCs, formaldehyde or any chemicals are used.

Conserves Trees

Every Amvic home conserves at least ten trees, which absorb carbon dioxide and give us oxygen. Do your part, build with Amvic ICF.

Uses 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.

Our Customers
stronger every day

Leading the ICF revolution

Amvic Insulated Concrete Forms (ICF)

Unique Design

- Amvic ICFs are designed with 2.5 inches of 1.5lb/cf density expanded polystyrene (EPS) panels containing 8 uniquely designed polypropylene webs. The webs are spaced 6 inches on centre compared to 8 inches on center in most competing products. This allows for several times less construction waste than other ICFs on the market.
- Amvic ICF webs use more raw materials than the webs in other ICF blocks, which allows for an ultimate 198 lb pull out strength for drywall screws and superior finishing capabilities for interior and exterior strapping.
- Amvic webs also have a uniquely designed rebar holding system that places the rebar at the most effective places to ensure superior structural strength. There is also no need to tie rebar due to innovative clips that hold it tightly in place.
- Amvic ICF is the most rigid ICF on the market. The EPS panels are very strong and maintain shape as concrete is being poured which reduces the need for bracing and results in straight walls upon completion.
- Amvic ICF blocks also use the reversible FormLock™ interlocking system developed by Amvic, which connects blocks more tightly together than competing products without the need for gluing or taping.

Strongest on the Market

Due to the powerful combination of innovative block design and high quality production, Amvic ICF is the strongest on the market as proven by the Canadian Construction Material Centre (CCMC) forming capacity strength test, in December 2000.

Amvic is currently one of very few manufacturers that strongly recommend internal vibration during the concrete pour to ensure a solid wall with no voids.

Highest Quality

Due to Amvic's state-of-the-art equipment, skilled employees and rigorous testing, only the highest quality products are produced.

Unlike companies that use outside molders that produce various foam products, Amvic manufactures product either in-house or only through highly trained and knowledgeable outside ICF manufacturers. As a result of this rigorous quality control, Amvic consistently produces the best ICF on the market.

Our Products

stronger every day

Building Stronger. It all starts here.

Nothing gets through an Amvic ICF wall…

Amvic exterior 2.5" EPS and internal webs act as:

- Exterior insulation
- Rain, wind and air barrier
- Substrate for stucco
- Strapping for brick, siding and other exterior attachments

Added value:

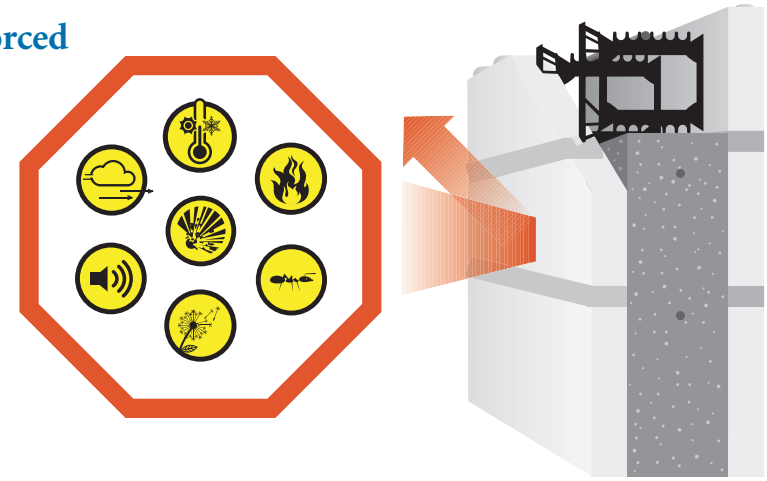
- Structural superiority in severe weather
- Increased energy savings up to 50%
- 3 hour fire rating
- Environmentally friendly product

Amvic core: 4, 6, 8, or 10" reinforced concrete wall provides:

- Superior strength
- Mould and insect barrier
- Sustainable structure

Amvic interior: 2.5" EPS and internal webs act as:

- Interior insulation
- Sound barrier
- Strapping for drywall and interior attachments



Stops: wind, heat/cold, water, fire, projectiles, noise, dust, pollen, insects, mould.

ES

The International Code Council (ICC) ESR-1269. Note: BOCA, ICBO, and SBCCI now formally consolidated into a single organization.

CCMC

Canadian Construction Materials Centre (CCMC) CCMC#13043-R