



Sustainable Building Envelope Solutions



SUSTAINABILITY IS IN OUR NATURE.

For more than 15 years, ARXX® has been laying the foundation for sustainability by providing Insulated Concrete Forms (ICF) and green building solutions. We are committed to helping build better structures that support a healthier and more comfortable work/life environment and create buildings that will be enjoyed for generations to come.

When it comes to green building envelope solutions, ARXX is the brand of choice for architects, specifiers, developers and contractors. The ARXX family of products deliver the energy-efficiency and comfort that property owners/managers want and the superior quality, durability, flexibility, and cost-effectiveness builders need to ensure they deliver a high-performance, sustainable structure.

ARXX products contribute to – and enhance the evaluation towards – Leadership in Energy and Environmental Design (LEED®) credits, as well as other green build certifications.



- ENERGY SAVINGS
- LEED CONTRIBUTION
- REDUCED CONSTRUCTION TIME
- EXTENDED BUILDING SEASON
- NOISE REDUCTION
- INDOOR AIR QUALITY
- FIRE-RATED ASSEMBLY
- STRENGTH AND DURABILITY



Outstanding green solutions for architects, developers and builders

Greater awareness of environmental issues is not only driving demand for sustainable buildings, it also requires that architects, developers and builders demonstrate leadership in product selection and design for sustainable build projects. As a result, more and more professionals are turning to ICF for their commercial projects. ICFs are expanded polystyrene (EPS) foam forms that are designed to support concrete and enhance the curing process while providing two built-in layers of high-performance insulation. ICFs remain in place to be the integral part of a high-performance building envelope for walls and foundations of any height and for any climate zone.

Advantages of building with ARXX® forms

- ICF is a lightweight, modular design that can be installed with just one crew, reducing labor costs, increasing the speed of construction and enabling earlier completion dates with faster occupancy earnings.

- Design creativity is limitless. The forms can be easily cut into any shape – from curved walls to window arches. As well, any interior and exterior finish can be applied directly to the EPS panels.
- Very low air infiltration, no Volatile Organic Compounds (VOCs), no off-gassing, no thermal bridging and excellent fire resistance ratings.
- ICFs and concrete are green products utilizing a percentage of recycled and regionally manufactured materials.
- Contributes points to LEED credits and other green build certifications.

Whether the project is a school, hospital or a high rise hotel, ARXX forms deliver sustainable, high-performance envelope solutions.





The ARXX patented, exposed X-web is the only ICF web not covered by a layer of foam — resulting in a direct, solid attachment. This provides a solid bearing for the attachment for finishes like drywall, stucco, siding and brick ties.



A concrete edge: The ARXX ICF advantage

ARXX offers architects, developers and builders all over the world a superior alternative to conventional building systems. We are the only company in North America to offer a wide variety of ICF products to meet the growing demand for sustainable buildings.

Simplicity fosters versatility.

The benefits of ICF and flexibility of ARXX forms makes it a smart choice for every project and building type, whatever design, shape, height or size.

THEATERS AND AUDITORIUMS
SCHOOLS
GYMNASIUMS
CONDOMINIUMS

RETAIL SPACES
HOTELS AND INNS
WINERIES
OFFICE BUILDINGS

BANKS
RETIREMENT HOMES
HEALTHCARE FACILITIES
PLACES OF WORSHIP



Combining the strength of reinforced concrete and energy-efficiency of heavy-duty insulation, ICF provides an innovative approach to building green.



Insulated concrete forms give a building enhanced comfort, solidity, durability, resistance to natural disasters, quietness, and energy-efficiency.

Reduced life-cycle costs. With virtually no air infiltration, a structure built with ARXX forms will help reduce the load on HVAC systems, resulting in lower initial capital cost for equipment plus lower operating costs for the life span of the building. ARXX forms also ensure superior energy-efficiency through high R values, no thermal bridging and greater thermal mass.

Quiet confidence. ARXX walls are highly effective at keeping noise where it belongs – either from the outside in or between interior units. ARXX forms are ideal for building projects that call for sound control for exterior or interior demising walls.

Structural integrity. Steel-reinforced concrete creates strong, solid walls that can withstand high wind speeds of 150 mph or more and can sustain wind-blown debris travelling over 100 mph. ARXX walls may also be designed for all seismic zones.

Tall-wall innovation. Our proprietary tall-wall scaffold system with state-of-the-art alignment lets you build tall ICF walls up to 125 feet high without scaffolding engineering requirements while exceeding OSHA/OHSA wall attachment and safety standards.

Recyclable materials. Used concrete from our walls and foundations can be fully recycled as aggregate or granular material while industrial by-products such as slag or fly ash – which would otherwise be sent to landfills – can be used to supplement cement in concrete mixtures.

Kind to the environment. ARXX forms are free of CFCs, HCFCs, PBDEs and any material that emits VOCs. Buildings constructed with ARXX forms are environmentally friendly by reducing greenhouse gas emissions and easing the strain on natural resources.

ARXX[™]
forms





At ARXX, we aim to stay ahead of the curve. We are consistently searching for ways to improve our products and processes, which in turn helps you maintain your leadership in the green build market.

Great products backed by great expertise



Behind the ARXX family of products are great people and innovative processes designed with your success in mind. Our exceptional team includes technical experts who can assist with green build design and provide guidance throughout the entire project, including the LEED certification process. Our technical managers can be easily contacted to answer any question and are available for onsite support to reinforce training.



Put ARXX forms into your green build projects

Contact us today to learn more about ARXX forms, to arrange an **AIA approved presentation** on building with ICFs, or for an in-depth training seminar on ICF construction.

Visit www.arxx.com or call 1.800.293.3210

ARXXTM

ARXX® FORMS

THE ONLY ICF WITH A PATENTED, EXPOSED WEB DESIGN.

For more than a decade, ARXX has provided an exceptional way to build. ARXX forms are designed to combine the strength of reinforced concrete plus the energy efficiency and natural elements of heavy duty EPS foam insulation to deliver an innovative approach to building green.

The ARXX form patented, exposed web design is the only ICF web not covered by a ½" layer of foam over the attachment flange. This allows for direct, solid attachment to the exposed flange of the web which is embedded in the concrete. The exposed web is designed to hold reinforcing steel in place, while providing a solid bearing for the attachment of interior and exterior finishes like drywall, stucco, siding and brick ties. This helps to dramatically reduce the likelihood of screw pops or siding sag. A one-sided buried web option is also available for use with acrylic stucco that is applied directly to the EPS of the ARXX form, as an exterior finish.

Build faster. ARXX forms fit together easily and snugly with tight interlock that minimizes movement during concrete placement. No glue or adhesives are required, saving time and materials. Weather impacting construction schedules is a thing of the past. The ARXX form insulates the concrete from temperature extremes, enabling active construction year round.

ARXX FORMS — AT A GLANCE

Form Type	One piece Flat wall Concrete EPS form
Sizes	16.75" height x 48" length Available overall widths – 8", 11.5", 12.5", and 14.875" Wall area per form 5.58 square feet
Concrete Core Sizes	4", 6", 8", and 10"
Concrete Volume Per Form	0.068, 0.10, 0.13, and 0.17 cubic yards
Webs	Polypropylene plastic at 8" on center (oc) Webs are notched to hold rebar in place
Typical R Value	R22
Sound Rating	Sound Transmission Class (STC) of 45 to 72+
Fire Rating	UL/ULC listed Fire Resistance Rating of 2-4 hours, based on assembly
Features	<ul style="list-style-type: none">• Exposed web design for direct fastening of finishes• Unique interlocking forms fit tightly together without a need for adhesives• Available in a full range of forms including 90° and 45° corners, brick ledge forms, 12" high forms, and height adjusters• Full line of accessories for a better build• Full line of bracing, alignment and scaffolding

ARXX™

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ARXX™ forms

1.800.293.3210
www.arxx.com



the
collaborative
for high
performance
schools
Member



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