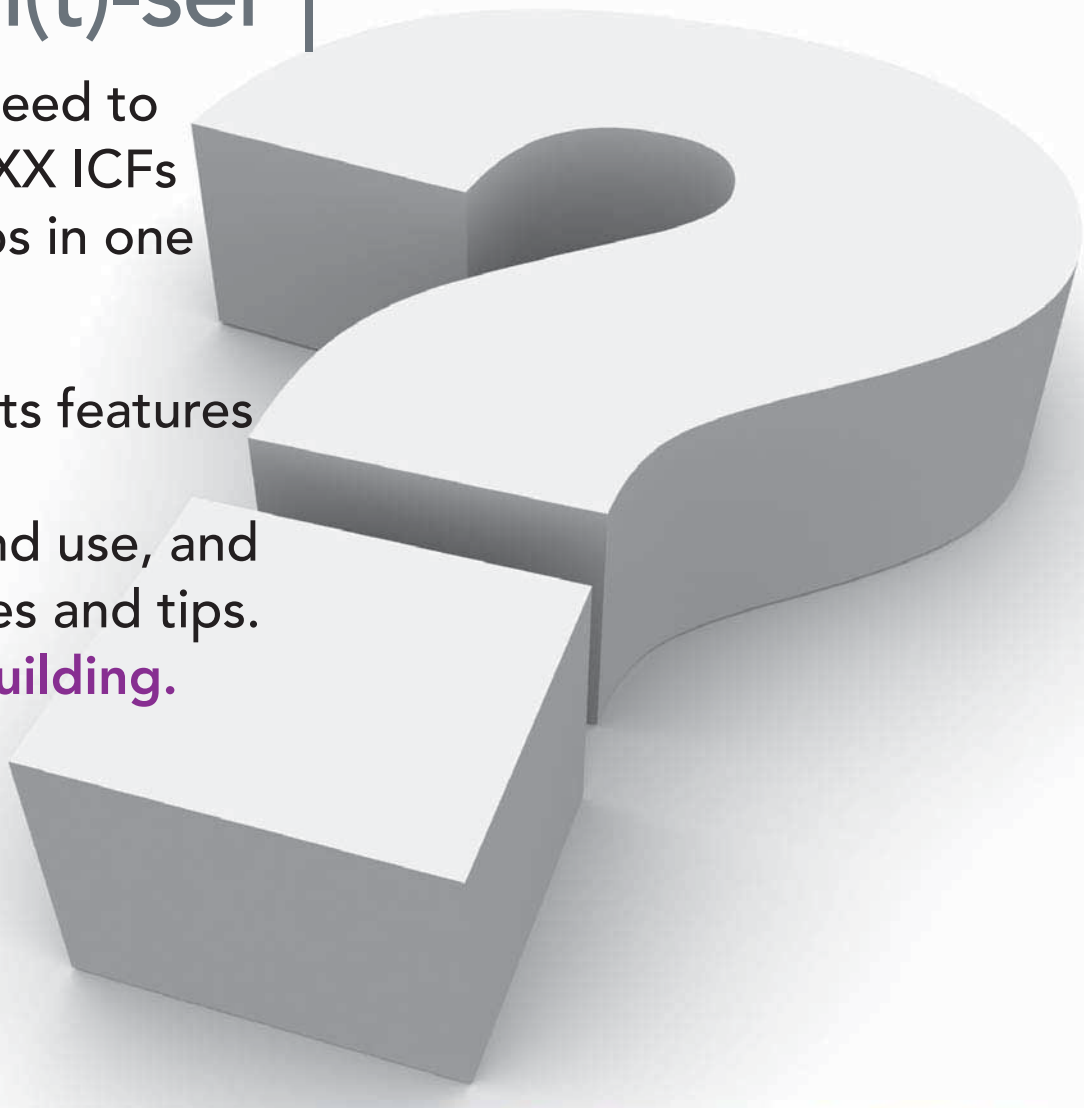
Redefining building.

an·swer

noun | ˈan(t)-ser |

Having all you need to know about ARXX ICFs at your fingertips in one handy place:

1. ARXX products features and benefits,
2. Installation and use, and
3. Project profiles and tips.
4. **Redefining building.**



ARXX™ ICF

Redefining building.

Institutional | Commercial | Industrial | Residential

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Welcome

The ARXX Answer Book is a valuable reference tool that will help you quickly understand some of the key questions you or your customer may have about building with ARXX ICF products. Take some time to review the book and become familiar with how ARXX ICFs provide energy savings, are more comfortable and quieter, have greater structural properties, and save money.

ARXX is Here to Help

ARXX has the best technical project support in the industry. We have building science experts, extensive knowledge and practical experience with building codes, CAD files, documentation and more.

Call us anytime when you are looking at a project – whether industrial, commercial, institutional or residential. We can provide help in understanding potential energy savings, selecting the best product line to use, and how to help your customer land the job.

Energy Efficiency and the Environment

Over half of all greenhouse gas emissions, like carbon dioxide, come from the built environment – all the energy used to build, heat, cool and light offices, homes, fast food and retail stores and other buildings all around us.

There is strong agreement that greenhouse gases are causing climate change. Using ARXX ICFs can substantially reduce the energy needed to heat and cool buildings. Improved energy efficiency is recognized as one of the most cost effective methods of reducing greenhouse gas emissions.

When you construct a commercial or residential project with ARXX ICFs, you're helping the environment; at the same time you're saving your client money on an ongoing basis, and giving them a better, quieter, more comfortable structure.

Reduced Waste

When building an ARXX ICF home, construction waste is typically 2 - 5%. This is significantly less than all other wall materials and benefits the environment by decreasing the amount of waste going to landfills.

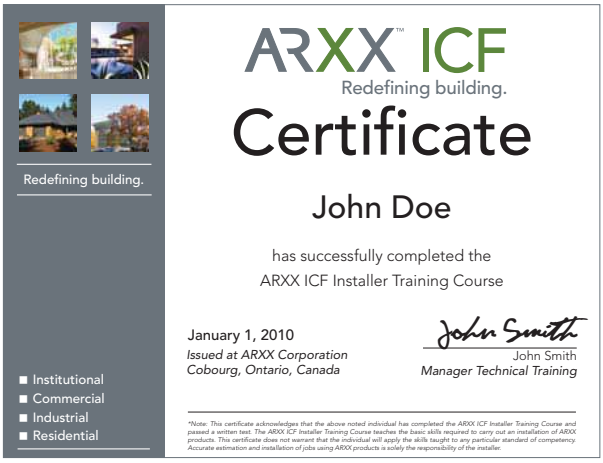
Learn to install ARXX ICFs

Encourage your customers to take the ARXX ICF installer training class to learn how to build with ICFs, including a focus on one or more specific product lines that they will be using on an upcoming project. The course includes:

- ICF benefits
- estimating what you'll need
- taking your site into consideration
- laying out ICFs
- dealing with openings
- working with concrete

By the end of the class, along with useful tools like this book and our field installation checklist, your customer will be ready to deliver an ARXX ICF project.

Upon successful completion of the ARXX training class (grade of 75% or better on the test) contractors will receive an official trained installer certificate and wallet card by mail in 4 - 6 weeks. Wallet cards are often requested and required by onsite inspectors.



Personalized certificate and wallet card.

What are ARXX Insulating Concrete Forms (ICFs)?

ARXX is the leader in insulating concrete forms (ICFs). ICFs are a lightweight rigid foam insulation block forming system for steel-reinforced concrete walls above and below grade. The blocks are stacked and locked together to quickly build a wall. These walls can be tall, short, have varying thicknesses and be designed with any shape or curve.

Why Use ARXX ICFs?

An ARXX ICF wall system is energy efficient, structurally tough, comfortable, quiet and green, and can be constructed quickly and cost-effectively.

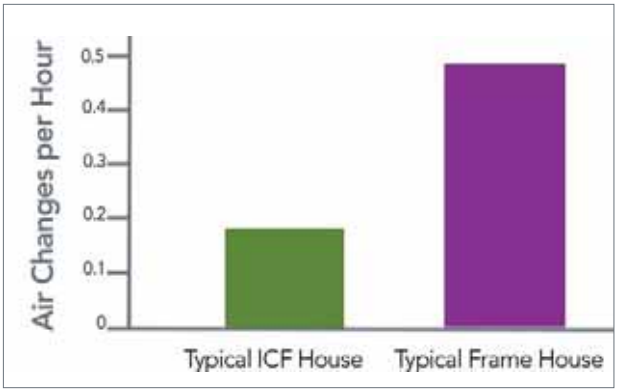
Benefits include:

- high energy efficiency resulting in dramatic savings on heating and cooling costs
- high contributor to LEED credits improved indoor air quality, temperature control and higher sound suppression
- structural superiority with 25% higher strength than other concrete walls and can withstand hurricanes, earthquakes and F5 tornados
- simpler, faster and lower cost build
- resists mold, mildew, termites and pests
- suitable for virtually any building application: institutional, commercial, industrial and residential

How ARXX ICFs Achieve High Energy Efficiency

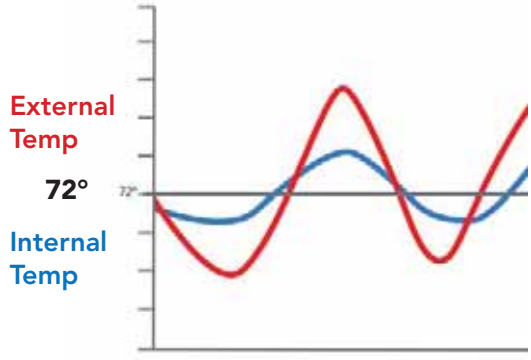
Reduced Air Infiltration

Over half the energy loss of a conventional wood frame home is due to unwanted air infiltration and heat loss through the wall assembly. Air can penetrate into a wood frame building through many channels - sheathing gaps, penetrations at balconies or cantilevered floors, and insulation gaps in the wall cavity.



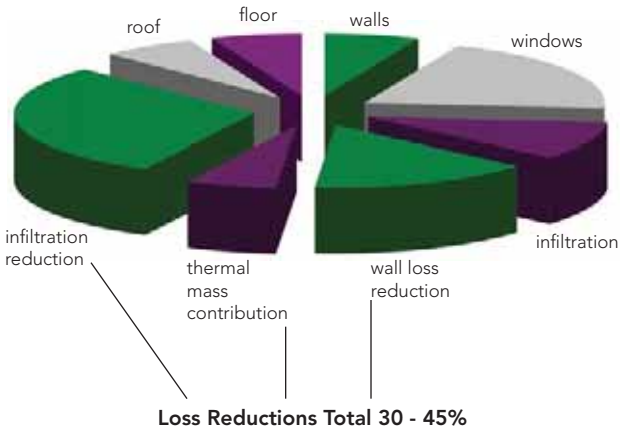
ARXX ICFs provide an ideal solution to these issues. In addition to combining five steps of the construction process into one, the monolithic concrete core forms a tight air barrier, with penetrations (e.g. windows and doors) which are easy to identify and seal.

Air infiltration for a conventional wood frame house is typically 2 ACH (air changes per hour) which means that every hour half of the air volume of the house is exchanged for outside air that needs to be heated or cooled. Air infiltration of ARXX wall assemblies are typically 1 air exchange for every 5.7 hours. This means that energy efficiency is significantly better, leading to savings in heating and cooling costs, as well as improved indoor air quality.



Thermal Mass

Studies conducted by the U.S. Department of Energy (USDOE) confirmed that concrete mass in exterior walls reduces annual energy costs in buildings. In climates with large temperature swings, the mass wall can release absorbed heat energy into the cooler night air, a process called heat flow reversal. The ARXX ICF wall moderates indoor temperature swings and reduces the amount of heating/cooling needed.



The energy effectiveness of an ARXX wall is due to three important factors: continuous R-value, reduced air infiltration and thermal mass moderation.

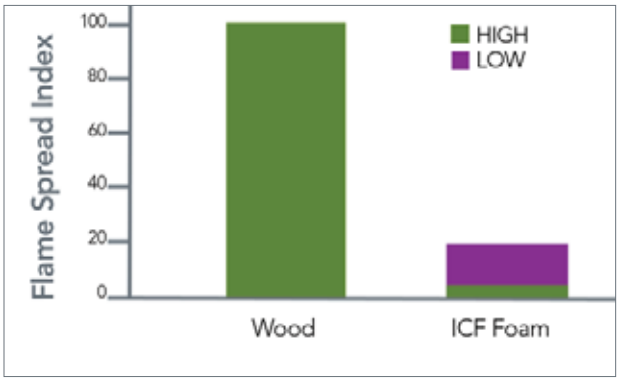
ARXX Walls Have Excellent Fire Resistance

Of all construction materials, concrete is one of the most resistant to heat and fire. Experience shows that concrete structures are more likely to remain standing through fire than structures made of other materials.

Concrete, unlike wood, does not burn. Unlike steel, it does not soften and bend. Concrete does not break down until it is exposed to thousands of degrees Fahrenheit—far more than is present in the typical house fire. The foams in ICFs are manufactured with flame-retardant additives. This prevents the expanded polystyrene foam from burning.

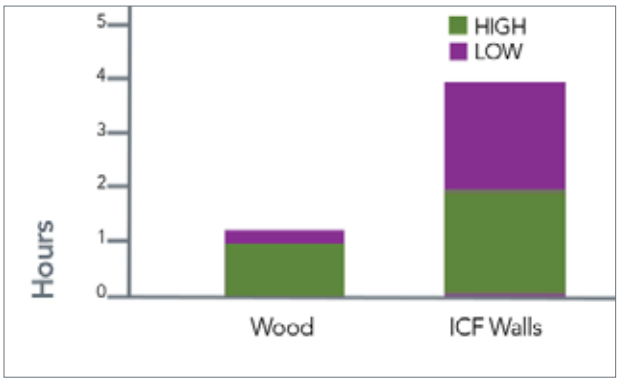
Flame Spread

The "Steiner Tunnel Test" measures how much a material can carry fire from an outside source. In the test, technicians line a tunnel with the particular material, run a fire at one end, then measure how far the flame spreads. The flames travel about one-fifth as far down a tunnel lined with ICF foam compared to a tunnel lined with wood.



Fire Resistance

These fire ratings have been confirmed in fire-wall tests. In these tests, ICF walls were subjected to continuous gas flames and temperatures of up to 2000° F for as long as 4 hours. None of the ICF walls ever failed structurally. All of the ICFs tested were of the flat or uninterrupted grid type, having no significant breaks in the concrete layer. In contrast, wood frame walls typically collapse after only one hour.



ARXX Walls Perform Well in High Wind Zones - FEMA Approved

Debris driven by high winds presents the greatest hazard to homeowners and their homes during tornados and hurricanes.

Recent laboratory testing, compared the impact resistance of residential concrete wall construction to conventional wood framed walls. The frame walls failed to stop the penetration of airborne hazards. The concrete walls successfully demonstrated the strength and mass to resist the impact of wind driven debris.

Hurricane conditions were simulated with a 2"x 4" wood stud "missile" launched at 100 mph, the speed at which flying debris can travel in a 250 mph wind. Of the various wall types tested, wood frame walls could not withstand the impact, while solid concrete ICF walls held strong.

ARXX ICF wall - minimal damage

Wood frame wall - severe damage

CMU wall - severe damage

ARXX Walls Can Perform in Highest Seismic Zones

Building with ARXX ICFs allow you to meet and in most cases exceed code in high seismic zones.

Double rebar curtains are often required in areas where greater structural requirements exist, such as zones with high levels of seismic activity.

The ARXX line-up of products delivers critical performance in specific regions:

ARXX Walls Deliver Exceptional Indoor Air Quality

ARXX ICFs prevent unwanted air movement, thus creating an airtight seal around the entire perimeter of the building and preventing the entry of dust, pollens and pollution. The use of EPS (Expanded Polystyrene) panels also eliminates all airborne glass fibers (commonly found in traditional fiberglass insulation) and insulation settlement caused by fiberglass insulation; a serious and growing issue with 1 in 3 North Americans having allergies severe enough to seek medical attention on an ongoing basis.

EPS is inert, non-toxic and naturally waterproof, with no CFCs, HCFCs, formaldehyde or any other volatile organic compounds.

ARXX ICF products do not emit VOCs or off-gas like conventional engineered wood products. ARXX ICF products do not permit the growth of mold and mildew and are resistant to pests such as termites. ARXX ICF products offer better control of replacement air quality and allow for consistent relative humidity and a constant temperature.

Building on Hillsides

In some areas of North America, reinforced concrete retaining walls are required where buildings are constructed on hillsides. ARXX ICFs are a great choice for this type of application because the product can work to any design, regardless of complexity.

Comfort

ARXX ICF buildings have fewer drafts, fewer hot and cold spots, and consistent floor-to-ceiling temperatures. In a recent survey, interviewers asked homeowners of 74 new ICF homes and 73 new wood frame homes what they liked about them. Over 80 percent of the ICF owners mentioned the great comfort, compared with 22 percent of the wood frame owners.

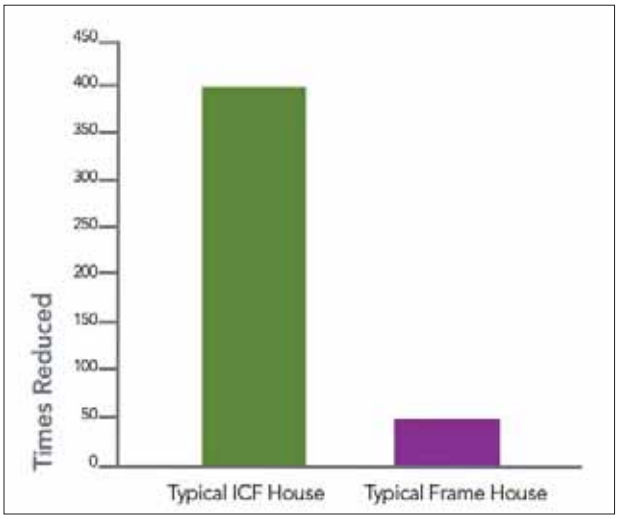
Superior Sound Suppression

Sound Transmission Class (STC)

Sound Transmission Class rating is a single number quantifier used to rate walls, doors, and other partitions for their effectiveness in reducing airborne sound transmission. Basically, a high STC rating indicates a more efficient sound absorption characteristic. A typical wood frame wall has an STC (sound transmission class) rating of 33. ARXX walls consistently achieve STC ratings of 55.

STC ratings, however, can be misleading because they are based on a logarithmic scale. The difference of around 20 in STC ratings of ARXX walls versus wood framed walls does not mean that ICF is 60% better, but roughly four times better.

As the STC is based on a logarithmic scale, this means that loud sounds such as vehicles, airplanes and trains from outside are reduced to a whisper in an ICF home.



An IMAX theater chose ARXX ICFs for their superior sound suppression qualities.

STC	What can be heard through a barrier:
26 - 30	sentences spoken in a normal tone can be heard clearly
30 - 35	sentences spoken in a normal tone can be heard with some straining
35 - 40	loud talk can be heard but not clearly understood
42 - 45	loud talk is somewhat audible with only occasional words understood
47 - 50	loud talk is only audible by straining, music and heavy traffic most likely to still be heard
52 - 55	very loud talk is only audible by straining, music and heavy traffic might still be heard
57 - 60	very loud talk is almost inaudible, music can barely be heard but bass notes are still disruptive
62 - 65	music is barely heard, bass notes make a thumping noise, power equipment can still be clearly heard
70	music can be faintly heard if played loudly, power equipment is faintly heard
75+	most noises are effectively blocked including airplane noise

Demising and Party Walls

A benefit of building with ARXX ICFs is superior sound suppression. Demising or party walls built with ARXX ICFs reduce sound transmissions by 75 – 85% when compared to conventionally framed wood walls.

ARXX ICFs have been used in many institutional, commercial and residential applications as demising walls, both structural and non-structural.

ARXX ICF Products

ARXX™ Edge *(formerly ECO-Block)*

- Assemble-on-site forms provide maximum flexibility for design and structure.
- Less space means savings on shipping and storage.
- Use the same method to build walls 4" to 24" thick or more.
- Flexible rebar placement.
- Perfect for commercial projects, tall or thick walls, or remote locations.

ARXX™ Prime *(formerly ARXX Forms)*

- Optimized for speed and simplicity of use.
- Unique exposed web makes it easy to attach interior or exterior finishes.
- Pre-assembled forms allow fast start.
- Build any shape wall.
- Perfect for a wide range of projects with a 6, 8 or 10"core

ARXX™ Steel *(formerly PolySteel)*

- Unique galvanized steel connectors.
- 24" flat wall panel speeds installation.
- Waffle grid reduces concrete use by 25%.
- Recessed furring strips simplify stucco applications.
- Ideal for residential or commercial construction.

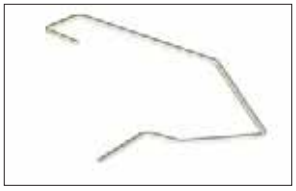
Delivery and Handling

ARXX Prime 6" form cube packs (47"W x 49"L x 51"H) 85 lbs

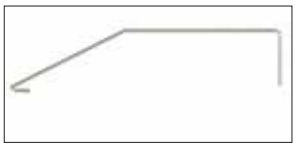
ARXX Edge cube packs (33"W x 17"L x 51"H) 35 lbs

ARXX Steel cube packs (49"W x 49"L x 101"H) 234 lbs

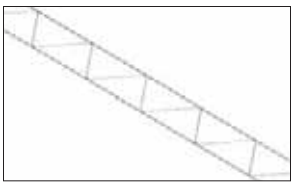
ARXX Accessory Products



ARXX Prime claw pieces per box: 250 bundle size: 50



ARXX Prime hook pieces per box: 250 bundle size: 50



ARXX Prime LOK® in: 6", 8", 10" order in 100' bundle

ARXX Edge anchor tie pieces per box: 500

Building with ARXX: Five Construction Steps Combined In One

Building with ARXX is fast, easy, cost-effective and energy efficient. ARXX ICF combine five steps used in conventional wood frame construction into one.

ARXX ICF provide: 1. structure 2. insulation 3. vapor and air barriers 4. sound barrier 5. furring strips (fastening strips).

1. Base
ARXX ICFs can be built on footings similar to conventional masonry footings, slabs-on-grade or piles. ARXX ICFs can also be easily built on step footings and shallow foundation systems.

2. Walls
ARXX ICFs are solid interlocking modular blocks which have easy-to-reference cut lines on each side. An ARXX ICF saw or drywall saw can be used to easily cut the forms where required for design dimensions. The ARXX walls will rise quickly and efficiently as the blocks are put into place.

3. Windows and Doors
Wood or custom vinyl bucks are used for windows and door openings.

4. Bracing and Scaffolding
Bracing is installed to ensure straight and plumb walls.

5. Reinforcement Steel or Rebar
The unique design of ARXX ICFs allows for easy rebar placement from the most basic rebar schedules to complex reinforcement to provide for resistance to seismic events and high winds.

6. Service Penetrations
Cutting service penetrations is easy when building with ARXX ICFs. All necessary service penetrations are marked, then cut using an ARXX ICF saw.

7. Concrete
Concrete is poured into the steel reinforced ARXX wall. Pouring concrete can be completed with the use of a concrete pump or crane and bucket. Internal vibration is performed every 16" to 24" on center. The concrete has a moist cure because of the insulation of the forms, increasing the strength of the concrete by up to 25%.

8. Roof
Once the concrete is poured any roof system can be easily installed.

9. Electrical, Plumbing and HVAC Installation
Electrical, plumbing and mechanical chases are easily cut in ARXX ICFs. The EPS foam of an ARXX ICF is cut with a hot knife by the sub-contractor. The HVAC system (which can be scaled down due to the high energy efficiency of the ARXX wall assembly) is also installed at this stage.

10. Interior and Exterior Finishes
Virtually any finish can be directly applied to furring strips on either side of an ARXX ICF wall. Stucco applications can be directly applied to the EPS surface. Additional air and vapor barriers are not required with an ARXX ICF wall because of the inherent nature of ARXX ICFs which act as air and vapor barriers.

The Job Site

The job site is ready for ARXX ICF installation once the footings have cured.

Freshly poured footing.

Slab on grade.

When placing the first course of ARXX ICFs, ensure that the forms are within 1/2" of the wall layout as marked on the footing or slab.

An ARXX Standard Form that has been cut to fit a wall section.

Grade Beams

The ARXX ICF building system allows for quick and easy installation on grade beams as demanded by soil conditions.

A grade beam built out of ARXX forms supports the walls of this home's garage.

Two or three courses of grade beams can be built easily using minor bracing. If the job site is readily accessible, concrete can be placed directly from the truck's chute.

Proper Job Site Layout

Ensuring the job site is well planned will save you time and money. It will also reduce the risk of onsite accidents. Make sure that all of your ARXX ICFs and materials can be easily accessed by the crew and in a location where they are not easily damaged.

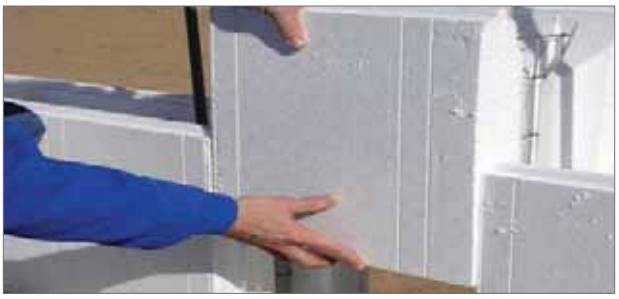
A well planned ARXX ICF job site, ready for use.

ARXX ICFs and other necessary materials, properly placed within the structure's footing, ready for use.

Cutting the Forms

ARXX ICF Forms have easy to reference cut lines on each side of the block. Use an ARXX ICF saw to easily cut the forms to the required size.

A folding pruning saw (pocket saw) can be used to cut all ARXX forms.



A cut ARXX Steel form being put into place.

Anchoring the Forms

The first course of ARXX ICFs can be anchored using a shot of spray foam under every second web.

Rebar Placement

The unique design of ARXX ICFs allow for easy rebar placement ensuring proper tensile strength is met and minimum install time is required.

Horizontal rebar placement in an 8" ARXX Prime form. When ARXX is used below grade, rebar is usually placed close to the inside (tension) face.

Horizontal and vertical rebar placed in an 8" ARXX Prime form.

Stirrups placed for support in a brick ledge form.

ARXX Lok is used to stiffen ARXX Prime walls prior to pouring, and assists with wall alignment.

Bracing and Wall Alignment

Proper bracing and alignment is vital to the success of a project, and to onsite safety. Always refer to OSHA in the US, or relevant occupational health and safety legislation in Canada to ensure proper spacing and height requirements are met.

1. strongback and brace pole

2. scaffold bracket

3. guard rail

4. completed scaffold

Pre-Concrete

Service Installations

Cutting service entrances is easy when building with ARXX ICF. Start by marking all the necessary service entrances prior to concrete pouring. Then use an ARXX ICF saw or a similar tool to cut the entrances in the EPS. Make sure that all service installations are put into place prior to placing concrete.

Service penetrations can be easily cut out with a pocket saw.

ARXX ICFs can support all types of penetrations.

Concrete Placement

Pouring concrete can be done with the use of a pump truck or using the crane and bucket method.

Concrete being placed above grade with a pump truck.

Internal vibration should be performed every 16" to 24" on center.

Damp Proofing

Foundation wrap is designed to stop water as well as to create an added layer of protection between the wall and the ground. This layer of air also adds to the performance of the wall, offering a slight R-value improvement.

A damp-proofing alternative to the foundation wrap is the peel & stick membrane, which also protects against moisture. This product can be applied directly to exterior foundation walls by peeling off its backing and then sticking the adhesive side to the wall. Be sure to follow the manufacturer's instructions.

Interior and Exterior Framing

Building with ARXX ICF allows for easy installation of wood trusses and roof systems. Interior walls are easily secured to ARXX ICF webs.

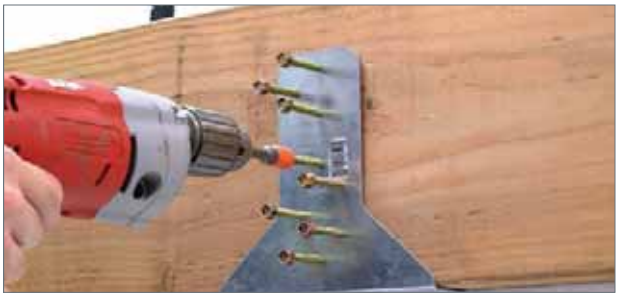
Wood trusses being installed on a home that is constructed with ARXX forms to the roof line.

Using the ARXX product, window openings are supported by reinforced concrete lintels.

Ledger Systems

The ICF Ledger Connector System is engineered to solve the challenges of mounting ledgers to insulated concrete form (ICF) walls.

Interior 2" x 4" stud walls can be framed traditionally in conjunction with the ARXX wall system.



Flooring

ARXX wall assemblies can be used in conjunction with any type of floor system, such as dimensional lumber, engineered wood, Hambro, Dietrich, and Insul-Deck.

This home was prepared for an engineered wood flooring system by casting anchor bolts within the wall during concrete placement. Once the concrete cured, a ledger board was placed overtop of the bolts, ready for the floor system to be installed.

Doors and Windows

The depth of ARXX ICF walls allows for a deep window frame providing the room with integrated window shelves. Windows can be framed using wood window bucks or vinyl bucks.

Cast in place metal door frames that have been made to fit the ARXX forms.

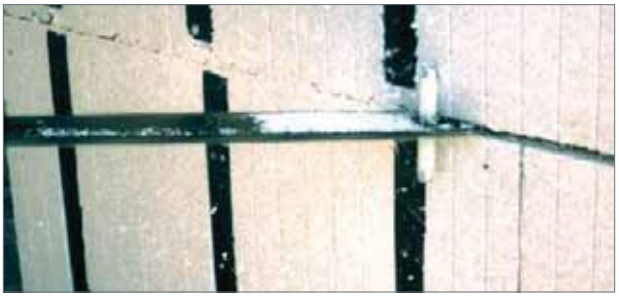
Photo of garden doors in an ARXX wall with wood jamb extensions.

Rough window buck openings can be framed using a variety of methods, as outlined in the ARXX Installation Guide.

Vinyl window bucks are versatile and can be cut to form radius windows.

Electrical Installations

The EPS foam of an ARXX ICF allows for easy subcontractor installations by carving channels post pour.



A hot knife or electric chain saw can be used to carve grooves into ARXX forms for the purpose of roughing in electrical, plumbing, and heating installations.

Electrical fixture boxes can be secured to the exposed webs or directly to the concrete.

Model and Modular Homes

With ARXX ICF, adding a basement to an already existing home is a cost efficient way to replace a deteriorated basement and provide increased living space.

A home is lifted to receive an ARXX basement. This is very common and can be done with blocking or with beams extending to stable ground and blocked up.

ARXX basements are also popular with owners and producers of modular homes because these pre-fabricated homes can be placed right on top of an ICF basement.

Additions and Renovations

ARXX ICF is a cost efficient way to add an energy-efficient addition.

A grade beam/frost wall that has been built for an addition to an existing home.

Winter Builds

ARXX ICF extends the building season. With insulation on both sides, the concrete is able to cure in extremely cold temperatures.

ARXX allows for versatile winter building since concrete can be poured and cured in ARXX forms even when faced with extreme temperatures.

The top of this wall has been temporarily insulated due to construction occurring in sub-zero temperatures.

Exterior Finishes

Brick

A brick finish on a home built with ARXX ICFs.

The ARXX brick ledge provides an easy to work with solution for exterior brick applications. The design of the ARXX brick ledge allows for the wall to go up quickly while allowing for a necessary 1" cavity behind the brick.

Stone

Brick and stone can be used to finish the exterior of an ARXX ICF home.

Siding

Siding can be directly attached to the exposed webs of ARXX Prime or to the furring strips in ARXX Edge or ARXX Steel forms without an air barrier.

Stucco

All forms of stucco can be applied to the exterior of structures built out of ARXX ICF forms.

Interior Finishes

ARXX ICFs work with all types of interior finishes.

Gypsum Board - Drywall - Sheet rock

Gypsum board (sheetrock) can be directly applied without installing a vapor barrier. Joints do not need to be on a stud because the entire wall gives a solid backing. ARXX Prime webs (exposed and concealed) are 8" on center. Gypsum board can be tightly fastened with standard mounting screws.

ARXX Edge and ARXX Steel product lines have embedded furring strips. ARXX Edge furring strips are 8" on center, and ARXX Steel are 6" on center. The ARXX Steel furring strips are made from 100% galvanized steel.

Design Freedom

Design any project regardless of size, budget or scale. The flexibility of ARXX ICFs allow for almost limitless creative designs that provide significant energy savings.

Curved walls are no problem with ARXX ICF.

This agricultural project required curved walls for the digester tanks built with ARXX Prime.

Project Image Gallery

An ARXX ICF basement under construction.

The ARXX ICF building system is perfect for any job regardless of its complexity.

ARXX ICFs to the roof line.

ARXX homes stand up to extreme weather conditions in any season.

Featured ARXX ICF Projects

LEED Certified

LEED Platinum

LEED Gold

"Builder of the Year" award

LEED Gold

65' walls

Near Zero Energy Home

Energy savings for the system are estimated at 75% with heating system savings estimated at 67%.

CETES

ARXX Estimating Formulas

ARXX Edge - ARXX Prime - ARXX Steel

Items	Formula for Total
90° corners	(# of 90° turns) X (# of vertical courses)
standards see footnote 1 and 2	((Total LF per course) - (# of corners per course)) X (# of vertical courses) 4
ARXX Prime: double fixed 45° corners see footnote 3	(# of 45° turns) X (# of vertical courses) 2
ARXX Steel and ARXX Edge: 45° corners	(# of 45° turns) X (# of vertical courses)
ARXX Lok® see footnote 4	(Total LF per course) X (# of rows of ARXX Lok®)
rolls of filament tape	Total # of forms 50
Feet of Rebar see footnote 5	(Total # of form units) X (estimated footage of rebar per form unit)
tapered tops (TT) see footnote 6	(Total LF of TT) - (# of corners per course) 4
brick ledge (BL) see footnote 6	(Total LF of BL) + (1 unit/turn) 4
ARXX Edge: brick ledge rails	1 per brick ledge panel
sets of alignment system	(Total LF) + (allowance for corners) 6

Connectors for ARXX EDGE forms

Form	
standard form, 1st course	18
standard form, 2nd course and above	12
90° corner form, 1st course	12
90° corner form, 2nd course and above	8
45° corner form, 1st course	18
45° corner form, 2nd course and above	12
brick ledge form, all courses	18

ARXX EDGE connectors per box

4"	1,000
5" (coming soon)	TBA
6"	500
8"	500
10"	500
brick ledge rail	50
splice connectors	1,000
tie anchors	500

[1] One standard form unit = 4 LF of wall.
[2] Add 2' - 0" to Total linear footage for every inside 90° turn. (This will ensure you have enough standard forms)
[3] ARXX Prime 45° forms = 2 LF of wall.
[4] ARXX LOK only for use with ARXX Prime.
[5] Estimated footage of rebar per form unit.
Horizontal rebar every 2nd course, vertical rebar @ 16" o.c. = 6 LF per block (ARXX Steel = 8 LF)
Horizontal rebar every course, vertical rebar @ 16" o.c. = 8 LF per block (ARXX Steel = 10 LF)
Horizontal rebar every 2nd course, vertical rebar @ 24" o.c. = 4 LF per block (ARXX Steel = 6 LF)
[6] forms or panels (Panels - one side only, adjust standard panels to suit BL quantities)
LF = lineal feet
BL = brick ledge panels
TT = tapered tops

Standard Form Sizes and Coverage

form type	size	thickness concrete	thickness EPS	web spacing o/c	total (inches) W	total (inches) H	total (inches) L	wall area covered (ft. sq.)
ARXX Edge 16" tall	**4**	4	2.5	8	9	16	48	5.33
	6	6	2.5	8	11	16	48	5.33
	8	8	2.5	8	13	16	48	5.33
	10	10	2.5	8	15	16	48	5.33
	12+	12	2.5	8	17	16	48	5.33
ARXX Prime 16 3/4" tall	**6**	6.25	2.625	8	11.5	16.75	48	5.58
	8	7.875	2.375	8	12.5	16.75	48	5.58
	10	9.875	2.5	8	15	16.75	48	5.58
ARXX Steel 24" tall	**6**	6	2.5	6	11	24	48	8.0
	8	8	2.5	6	13	24	48	8.0
ARXX Steel Waffle Grid 16" tall	**6**	variable	variable	12	9.25	16	48	5.33
	8	variable	variable	12	11	16	48	5.33

Standard Form Concrete Volume

				Use this if you run short at end of concrete placement.								
				number forms filled for every:		cubic yard needed for this number of forms				cubic meters needed for this number of forms			
form type	size	cu. yd. per form	cu. m. per form	cu. yd.	cu. m.	5	12	20	35	5	12	20	35
ARXX Edge 16" tall	**4**	0.066	0.05	15.2	20.0	0.3	0.8	1.3	2.3	0.3	0.6	1.0	1.8
	6	0.099	0.076	10.1	13.2	0.5	1.2	2.0	3.5	0.4	0.9	1.5	2.7
	8	0.132	0.101	7.6	9.9	0.7	1.6	2.6	4.6	0.5	1.2	2.0	3.5
	10	0.165	0.126	6.1	7.9	0.8	2.0	3.3	5.8	0.6	1.5	2.5	4.4
	12	0.198	0.151	5.1	6.6	1.0	2.4	4.0	6.9	0.8	1.8	3.0	5.3
ARXX Prime 16 3/4" tall	**6**	0.108	0.082	9.3	12.2	0.5	1.3	2.2	3.8	0.4	1.0	1.6	2.9
	8	0.136	0.104	7.4	9.6	0.7	1.6	2.7	4.8	0.5	1.2	2.1	3.6
	10	0.17	0.13	5.9	7.7	0.9	2.0	3.4	6.0	0.7	1.6	2.6	4.6
ARXX Steel 24" tall	**6**	0.148	0.113	6.8	8.8	0.7	1.8	3.0	5.2	0.6	1.4	2.3	4.0
	8	0.197	0.151	5	6.6	1.0	2.4	3.9	6.9	0.8	1.8	3.0	5.3
ARXX Steel Waffle Grid 16" tall	**6**	0.074	0.057	13.5	17.5	0.4	0.9	1.5	2.6	0.3	0.7	1.1	2.0
	8	0.100	0.076	10.0	13.2	0.5	1.2	2.0	3.5	0.4	0.9	1.5	2.7

Available Forms

Form Type	size	straight form	90's	45's	height	taper top	brick ledge	eposed webs	buried webs
ARXX Edge 16" tall	**4**	✓	✓	*	16"	✓	✓		✓
	6	✓	✓	*	16"	✓	✓		✓
	8	✓	✓	*	16"	✓	✓		✓
	10	✓	✓	*	16"	✓	✓		✓
	12+	✓	✓	*	16"	✓	✓		✓
ARXX Prime 16 3/4" tall	**6**	✓	✓	✓	16.75"	✓	✓	✓	✓
	8	✓	✓	✓	16.75"	✓*	✓	✓	✓
	10	✓	✓	✓*	16.75"	✓*	✓*		one side
ARXX Steel 16" tall	**6**	✓	✓	✓	24"	✓*	✓*		✓
	8	✓	✓	✓	24"	✓*	✓*		✓
ARXX Steel Waffle Grid 24" tall	**6**	✓	✓	✓	16"	✓*	✓*		✓
	8	✓	✓	✓	16"	✓*	✓*		✓

* *Panel connections available to make these on jobsite. ARXX Edge connectors used to make wider core sizes.*
✓* *In combination with the Edge product system.*

Notes:

ARXX™ ICF

Redefining building.

Customer Service: 800.293.3210 x3
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