Accessories

xLerator Brickledge Reinforcement

The xLerator is a patented one-piece wire reinforcement for Fox Blocks' ledge and taper top forms. It simply drops into the pre-formed slots, reinforcing every corbel. There is no need to bend stirrups, and no tying or lapping is required, reducing labor costs and time-consuming delays.

The xLerator is fully engineered to properly address ledge loads and galvanized to protect against corrosion (which can lead to reduced concrete strength).

Available exclusively from Fox Blocks, the xLerator is the only ICF ledge reinforcement system to meet ACI 318 guidelines.

Wind-Lock

Wind-lock carries a large variety of professional ICF tools for contractors and builders. Get everything you need all in one place for your next ICF job. We carry Foam2Foam expanding foam glue, ledger connectors, hot knives, blades and accessories, ICF form fabricating tools, ICF fasteners and more. Orders placed by 4 p.m. local time are fulfilled the same day when shipped via UPS or FedEx. We also ship worldwide from our two distribution centers. At Wind-lock, we make ordering simple and easy. Place your order by phone, fax, email, or online.

Air Filters and Exchangers

EZ Breathe

EZ Breathe Healthy Home Solutions offers air purification and dehumidification with specific models for crawlspaces, basements and garages. EZ Breathe provides fresh air for ICF homes by creating air exchanges 6-10 times daily and monitoring humidity levels to maintain a healthy home.

EZ Breathe Healthy Home Solutions has earned the EPA's Indoor airPLUS Ally status as well as the prestigious Building Performance Institute's (BPI) Certified Listed Product.

EZ Breathe products eliminate airborne contaminants such as moisture, allergens, particulates, mold and mildew. These units are easy to install, energy efficient at only $2-$4 a month, and a fraction of the cost of ERVs and HRVs.

EZ Breathe lowers humidity levels, eliminates up to 85% of airborne particles, reduces mold spores and removes contaminants and allergens.

An EZ Breathe ventilation system will ensure your energy efficient home maintains a healthy indoor environment and will protect the health and safety of the structure as well as all those who live there.

EZ Breathe...the healthy, happy home people!

Bracing

Giraffe Bracing

Giraffe Bracing continues to lead the ICF industry with its versatile, user-friendly, low-maintenance ICF bracing systems. Often copied but never duplicated, Giraffe’s unique storage crate has proven time and time again to be the best in the industry. Our carefully designed rack holds 20 sets of bracing; just a quick glance ensures that every component is accounted for.

The internal zinc-plated turnbuckles means no thread clean up is required, ever.

Giraffe’s 14-ga. 10’ strongbacks and 13-ga. 12’ strongbacks have the highest wind load ratings in the industry ensuring a safe quality built job every time. Don’t ask us, ask our customers. Giraffe Brac-
Bracing is the highest quality bracing on the market and can also be used for vertical shoring applications with most ICF floor forming systems.

Try our bracing before you buy by renting from one of the rental locations listed on our website, or call us to arrange for leasing. You’ll soon discover why Giraffe is “Standing Tall In A Concrete Jungle.”

Hilltop Manufacturing

www.hilltopmanufacturing.com 1-866-627-7720

The Hilltop ICF Scaffolding and Bracing system made by Hilltop Manufacturing is an outstanding choice for all ICF contractors. The lightweight aluminum strongbacks makes transport and setup easy.

The adjustable turnbuckle has no threads at the top of the brace. That means no concrete buildup on the threads, and trouble-free wall alignment. Recently Hilltop has introduced a new extra-heavy-duty strongback for the taller wall systems. The system comes with a removable handrail support, and is available in all standard height (8’, 9’, 10’, or 12’). Tall wall and custom heights are available.

The braces are compatible with all major brands of insulated concrete forms. Pricing and additional information is available at the phone and website listed above.

Improved Plumwall All-in-One System

www.plumwall.com 1-888-928-6676

Plumwall All-in-One ICF Bracing improves worker safety and provides user-friendly operation. Plumwall is the only ICF bracing system that offers contractors alignment control at platform level and an all-in-one folding design – giving you unmatched one-man productivity.

New on the All-in-One is a wider platform, measuring 22 inches of available plank width. Also available, Plumwall now offers metal safety posts that easily pin into place, ready for railings. Outriggers and platform angles are now powder coated in high-visibility safety orange, keeping the jobsite safer.

Tall Wall: For contractors looking for engineered tall wall bracing, Plumwall’s 24-foot height can’t be beat. The same bracing system can be configured for 10’, 12’, 14’, 16’, and through to 24 feet.

Storage and Transport Crate: Moving and storing Plumwall bracing is simple with the Plumwall crate, stacking safely and transporting using forks or a crane.

Zont Bracing

www.zontbracing.com 1-888-303-3278

Zont bracing is a lightweight system where the primary contact with the wall is a horizontal 2x4 waler. This differs from conventional ICF bracing where the primary contact is the vertical brace itself.

The system consists of two elements:

1. Zont brackets are screw attached to the ICF block to hold 2x4 walers and strongbacks in position. A polycarbonate cam shaft locks the lumber together for a quick setup and strip.

2. Zuckle wall aligner adjusts the plumb of the wall. Drill adjustable for quick and accurate adjustment.

As Zont bracing uses readily available site lumber, the system weighs 8% of conventional bracing and is easily carried in the back of a pickup.

Any wall height can easily be achieved by simply adding another course of Zont brackets.

Fox Buck

www.foxblocks.com 1-877-369-2562

Fox Buck is a fully integrated, continuous insulation window and door buck for residential and commercial applications. The 1” x 1” notches create a dual barrier against drafts or moisture penetration. When installed properly, the concrete barrier protection is continuous around the entire opening. These barriers also anchor the Fox Buck to the wall with enough strength to hold in most weather conditions.

The buck is exactly 2” thick for easy measurements, and measures 48” high to match the height of three blocks. It can be used in conjunction with the internal “Energy Sticks” as well.

The buck features a 1 ½” wide “fastening zone” for door and window attachments that runs the full height of the buck every 8” on center. Notches ensure proper alignment between the buck and the wall form. On the inside, Dual full-length 1” x 1” grooves create a solid concrete barrier against drafts and moisture. Circles are marked at 16” centers for sill cutouts and vibrator access.

The 2015 Fox Buck product line has been expanded and is now available in the 4’, 6’, 8’, 10’, and 12” sizes.
Gorilla Buck / Vbuck

Benchmark Foam, Inc. owns and manufactures Gorilla Buck and Vbuck, offering two different window and door buck systems that ensure fast and trouble-free installation while providing unparalleled performance and design flexibility.

The Gorilla Buck system is preferred for insulated ICF window and door bucks, and has been used on thousands of openings. EPS foam with a heavy duty "ladder truss" provides stiffness, strength and a continuous plastic edge for solid mounting of windows and other trim elements. Rebar holders mechanically fasten the buck and flashing to the concrete core.

Vbuck is an all-vinyl window and door system especially suited for arched, round, and curved openings, and is available in widths to match every major ICF on the market. Vbuck’s approvals include wind pressure loading, missile impact, and smoke, fire, and toxicity tests.

With two complementary product lines in Vbuck and Gorilla Buck, Benchmark Foam is your complete window and door buck solution provider. Both buck systems ensure a rot-free, warp-free opening that is lighter and easier to install than wood.

NoricF4 Custom Metal Frames

Save time, labor, and construction steps with the industry's most innovative fully integrated steel door and window frames created specifically for ICF construction: NoricF4 from Fox Blocks, a division of Airlite Plastics.

The pre-welded, pre-assembled, two-in-one NoricF4 acts as both the "blockout" buck and the frame for window and door openings, reducing construction time by eliminating the buck assembly, squaring and stripping and reducing bracing and support, and providing the framing that can come ready to receive doors and windows of any manufacturer and of any size.

The NoricF4 is constructed of 14-gauge steel and is custom designed to fit any ICF form and concrete core size. The NoricF4 is the most versatile, stable, and durable custom metal ICF frame on the market. Built to last, the NoricF4 is ideal for use in schools, hotels, theaters, churches, commercial buildings, and government facilities and meets the DoD Minimum Antiterrorism Standards for buildings.

Densifiers

Bright Technologies

Bright Technologies offers solutions for recycling EPS foam. The company, which is a specialty equipment division of Sebright Products, Inc. sells a comprehensive line of EPS densifiers with capacities ranging from 100 lbs. per hour to 1,200 lbs. per hour. The machinery converts waste EPS into a product weighing 16-20 lbs per cubic foot. Densifying waste foam offers numerous advantages, including reduced storage requirements and reduced hauling/handling costs. After processing, up to 40,000 lbs. of foam can fit into a single truckload. Densification also eliminates the danger of pentane gas buildup.

Bright machinery has a reputation for quality. All equipment is designed, manufactured, installed, and serviced in the United States. The original EPS densifier, installed in 1995, is still in use today, processing more than a million pounds of product per year with minimal downtime.

A video of the densifier is online at www.sebrightproducts.com/media-center.
The Amvic Insulated Radiant PEX panel has been specifically designed to provide the most cost effective installation and performance characteristics for hydronic radiant floor heating systems.

The manufacturing process starts with the most technically advanced automated EPS molding equipment in North America. The combination of expanded polystyrene (EPS) insulation—one of the highest performing energy efficient insulation materials available today—molded to the high-impact polystyrene film makes for a strong, resilient interlocking PEX panel.

The panel nubs form a “mushroom” shape to lock the PEX piping firmly in place. The PEX piping is easily inserted into the panel simply by walking on the tube. Once inserted the pipe will be properly positioned and seated into the panel. The innovative, patented panel design ensures that the tube will be completely encased in concrete and not pushed to the bottom of the panel as some competitive products do. This will allow for the proper heat distribution of the radiant tubing and more efficient energy transfer.

Crete-Heat

Crete-Heat is the original modular Floor Panel System that combines insulation, vapor barrier (10-mil polystyrene film), and radiant floor tube holding grid into a single easily assembled product. Don’t be fooled by all the imitators. Crete-Heat is the original 3” grid panel in all of North America and backed by actual testing. It greatly simplifies the installation of hydronic radiant floor tubing, cutting installation time by as much as two-thirds. The product is available in three thicknesses and three psi strengths.

The regular Crete-Heat Insulated Floor Panel System is 2 7/8” in overall thickness, with 2” of solid EPS foam. It has been independently tested by Intertek Semco in Canada to provide an insulation value of R-10.

The retrofit or above-grade panel is 2-1/8 inch in overall thickness, with 1” of solid EPS foam which provides an R-Value of 6. This same panel has 23 db sound reduction knobs available on the lower surface.

Each interlocking panel covers 2’x4’ of floor space (8 sq. ft.) with fasteners for 3/8”, 1/2”, and 5/8” radiant tubing every 3” on center. The Ice Melt panel holds 3/4” and 1” PERT or PEX tubing. Higher density 40 and 60 psi panels are available. Bundles of Crete-Heat are 25 x 49 x 21 and weigh 28 lbs. each.

E-Deck

E-Deck is a more efficient and builder-friendly way of erecting a suspended Insulated Concrete floor. Some of the unique benefits of the EPS deck system are an integrated mesh support track and integrated rebar chair at no additional cost to the customer.

E-Deck is a highly customizable form and can fit almost any project’s needs. Made from Type II EPS, the 2’ or 4’ wide panels can be made to any length and a variety of thicknesses, depending on insulation and strength requirements.

Each panel includes an 18 gauge steel stud embedded at 12” o.c. in the panel, which helps support the floor during concrete placement and for furring attachment afterwards. Once concrete is placed an E-Deck floor will have created a 6” wide concrete beam every 24” on center. For more information visit the website. Manufacturing and dealer inquiries are welcome.

Hambro D500: More Than Just A Floor

Canam offers an array of structural components to create better, more functional buildings, including the well known Hambro joists, used to create an economical steel and concrete floor system.

The Hambro D500 floor system creates solid, reliable elevated slabs supported by proven floor joists. Compatible with all traditional structural systems, the Hambro D500 floor combines the flexibility of the D500 joists with the strength of a reinforced concrete slab.

It’s fast and easy to install, and offers maximum room for duct work. It simplifies installation of HVAC, electricity and plumbing systems. It uses less concrete and reinforcing steel than conventional slabs, which minimizes costs, and makes it possible to create long spans without load-bearing walls below. Hambro is compatible with all traditional structural systems, offers exceptional fire protection and outstanding sound dampening properties. Hambro D500 is more than just a floor.
Composite Total Joist is a steel floor joist which utilizes dovetail steel deck and concrete for a lightweight yet stiff-feeling floor.

The simplicity of this floor comes from the unique planar web joist combined with dovetail decking which forms a very strong bond with the concrete poured onto it. This eliminates any formwork and shoring required for traditional concrete slabs while making installation safer and quicker. Being top chord bearing, this joist is ideal for ICF walls with the benefit of no expensive ledger connection. You will also have the benefits of precut service holes which allow ducts to be run through the floor.

Add the combination of no formwork, no shoring, no bulkheads, vibration control and a safer install and you have a premium concrete floor. Visit our website above for more information or give us a call.

Fastfoot Footing Form

Made of high density polyethylene fabric, Fastfoot is an efficient alternative to traditional lumber or plywood-formed footings.

One 14-lb. roll of Fastfoot replaces up to 1,500 lbs. of lumber.

Fastfoot is perfect for steps and rocky or uneven ground. No need to scab lumber on the sides of your footing or shovel the ground to achieve footing depths.

As Fastfoot is a closed form, there’s no concrete leakage nor damage to screed boards and stakes. Forms are a breeze to strip, with no concrete damage.

Fastfoot also acts as a damp proof membrane. Why damp proof your foundation walls, and leave your footings exposed to ground moisture? Fastfoot stays in place, preventing moisture wicking into your home through the footing.

Fastfoot comes in 100’ rolls, with 90° double stitched corners also available.

GEO-Passive Slab

GEO-Passive Slab is North America’s only nationally available, engineered, insulated foundation slab that is Passive House and Passivhaus compliant. Every foundation is site-specifically designed and engineered to meet the energy requirements for the building as well as deal with existing soil types and building loads. We have designed and supplied GEO-Passive Slabs to Passively designed homes as small as 650 sq. ft. and as large as a five-story, 42-unit apartment building.

Our unique engineering solutions make the installation a simple process. All installations are inspected prior to concrete placement by Legalett for quality assurance and to validate warranties. If you want to build a better house, school, community center or manufacturing facility, start from the ground up and use a GEO-Passive Slab from Legalett. Available with or without in-floor, warm air radiant heat.

Amvic ICF

Amvic is the most user-friendly insulated concrete form (also known as insulating concrete form) product on the market due to its innovative design which increases speed of construction, reduces labor costs and provides the highest level of performance during and after installation.

The powerful combination of the patented, reversible FormLock interlock, EPS composition, innovative web design and web spacing results in:

- Less taping, tying or gluing during installation.
- Less than 1% waste vs. up to 6% for most competitors.
- Ability to withstand internal vibration, ensuring a structurally superior wall.
- Fully reversible blocks.

In addition, Amvic is the strongest ICF block form on the market as proven by the Canadian Construction Material Center (CCMC) Forming Capacity Strength Test (Technical Guide 03131) at 865 lbs./sq. ft.

Building with Amvic ICF wall systems in conjunction with our own rigid foam insulation product SilveRboard, and our ICF flooring solution Amdeck, Amvic really delivers a complete solution for today’s energy conscious builder.
Historically, corner blocks have proven to be a challenge for contractors. They have resorted to inserting internal ties, external strapping and bracing to gain needed strength. This adds cost in additional materials and man-hour rates.

The engineering staff at Fox Blocks added more length to their corner blocks and introduced the heaviest cross tie corner bracket on the market. Adding these features to our large/strong interlock stops rotation and movement within the blocks during the pour and adds strength to eliminate blowouts. Having this bracket and no fewer than two ties from each corner in all 45° and 90° block eliminates the need for additional strapping or bracing.

Being 16” longer than other ICFs allows you to eliminate one full straight block for every three Fox Blocks corners used, saving you money. Like all Fox blocks, the extended corner blocks are reversible so when you ask for a corner you will get the correct one every time. All blocks have ties at 8” on center and are available in 4”, 6”, 8”, 10”, and 12” cavities.

The One Series by Nudura

The One Series by Nudura is the industry’s only multi-link form offering builders and architects unmatched versatility for projects designed using ICFs.

At the core of this innovative line is Dura Multilink Technology (patent pending), offering users the ability to create a variety of custom multi-sided form combinations for a variety of types from commercial to residential. The One Series combines traditional forming methods and ICF technology together to offer users the ability to construct elevator shafts, stairwells and other areas where non-combustible products are required.

The One Series gives builder and architects the ability to have more versatility with design for multi-story construction. The innovative design easily allows installers to remove the form ply after concrete placement to expose a smooth concrete surface on one side and a fully insulated wall on the other.

Contact your local authorized Nudura Distributor for a demo on the One Series or visit nudura.com/oneseries.

Quad-Lock’s Complete ICF Building Shell

Quad-Lock’s R-28 Ultra ICFs for walls and Quad-Deck for floors & roofs let you create the ultimate in resilience, sustainability, and longevity. Just add storm-shutters and doors to turn the entire building into a saferoom.

Building in a flood-zone? Quad-Deck is ideal to form the bottom floor of any elevated building, as used successfully in many homes, schools, etc. after Hurricanes Katrina and Sandy.

With insurance companies waking up to the economic realities of sub-par building codes and flimsy envelopes, they’ve been increasing premiums substantially for traditional buildings in hazard areas while introducing incredible savings for resilient buildings. In high risk areas those insurance savings can make the sizable energy savings pale in comparison.

Do yourself, your customers, our kids, and future generations a favor with much better indoor living comfort, health, productivity and safety while increasing your family’s, firm’s and community’s net worth.

Superform

Superform ICFs are intended to replace conventionally poured concrete foundation walls in residential and light commercial construction. Because the Superform wall system accomplishes forming, framing and insulating in one step, it provides a finished wall far superior to any other framing method. The rigid EPS provides both the form for the retention of wet concrete, and the thermal insulation for the exterior wall. The EPS also provides superior sound barrier insulation for interior party walls. The plastic ties in the blocks are recessed slightly to prevent thermal bridging, allowing for proper placement of reinforcing bar, and also serve as a furring strip to which inside and outside finishes are attached.

The 2 5/8” of rigid EPS on each side of the wall provides a tested thermal insulating value of R-28, and has been treated with a flame-resistant additive for fire protection. A typical wall has a fire resistance rating of three hours and a sound transmission (STC) rating of 55.
Now you can have a concrete roof that adapts to all ICF, cast-in-place or pre-cast walls.

With our roof forming system there is no limit to the pitch, style or complexity of the roof. In fact the steeper the better.

The Spider Tie concrete roof system is the perfect solution for a complete concrete shell for any ICF home. A combination of concrete walls and our roof can greatly reduce the damage caused by severe storms and save lives.

Easy installation. Very affordable.

Learn from our experience.
The one-day training seminars provide builders and installers with basic Nudura ICF installation skills.

Nudura is committed to providing the highest level of training, ensuring you get the knowledge you need to get the job done with efficiency and confidence.

The NUDURA installation course is led by a Nudura installation specialist and experienced ICF installer. Our trainers break down the ICF installation process, work through common building scenarios that arise in the field, and explain how Nudura’s unique line of accessory products help speed up the ICF installation process.

Learn from our experience, visit nudura.com/trainingacademy to find out more about the Nudura Training Academy and register for a course near you.

Robert Klob Designs is the premier residential design studio for the ICF Industry. RKD has designed or consulted on hundreds of ICF structures over the last 25 years, across 20 states and eight countries.

Robert Klob Designs has extensive experience with most of the ICF systems currently in the market. Because of this, our designs incorporate the sizing and unique aspects of each block system ensuring quicker compliance with the building officials and fewer challenges during construction.

RKD also offers consulting services for the ICF industry. We can work with your clients to efficiently convert their plans and designs to ICF. We also offer ICF-specific design consulting such as plan review, structural engineering, energy analysis and mechanical design.

Klob is one of the founders of the ICF Builder Group, and worked on the PCA committee for Above Ground Concrete Walls.

For more information on our services, visit our website.

The Oztec RebarShaker is the most effective method of consolidating concrete in insulating concrete forms. Placed over the top of vertical steel reinforcement, the RebarShaker vibrates at 10,000 - 12,000 vpm, ensuring excellent concrete consolidation.

The RebarShaker allows contractors to use a stronger, lower slump mix and still produce void-free walls, since the shaker gives the trapped air time to escape. The RebarShaker also tends to slowly rotate the rebar, packing concrete between the rebar and form, resulting in excellent bonding.

Wall with wide rebar spacing will be more effectively consolidated using a combination of Oztec’s internal flexible shaft vibrators and the Oztec RebarShaker.