Accessories

BuildShield Termite Protection

BuildShield Termite Protection is a revolutionary solution for termite protection in an ICF wall. BuildShield Termite is the only ASTM E283 tested solution for ICFs in termite-prone areas. BuildShield Termite Barrier combines a patent-pending combination of a PVC extrusion track and an adhesive stainless steel barrier. The track and stainless steel barrier extend from inside the concrete core to the exterior wall finish creating a barrier impenetrable to termites.

BuildShield ICF Termite Protection is compatible with wood and concrete floor systems, all exterior finishes, and any ICF with a panel thickness of 2 ½". The track and barrier is cost-effective delivering peace-of-mind for decades to come. Installation is easy and takes the place of complicated termite mesh or short term chemical solutions.

Fox Blocks 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.

RP Watkins One Plate Series

The OnePlate by RP Watkins is the gold standard of extra strength for ICF wherever you need it. When the weight of cabinets, entertainments systems, stair supports and a host of other connections to ICF walls exceed the strength of the tabs, the One Plate is THE solution.

Available in 3”x3” or 6” x 5” flat faced 16-gauge plates for all voids even 4’...The solution is here. Set it and forget it until you need it...The OnePlate.
ThermalWall PH Panel

ThermalWall PH is a 4’ x 8’ tongue-and-groove, EPS panel with embedded steel channels that installs over any type of wall including ICF, wood framing, concrete, concrete blocks or steel studs. The panels come in R24, R28 and R32 and includes fasteners. The specially shaped integrated steel channel is protected from the cold by a removable EPS “Snap Track.” Once the panels are installed the “Snap Track” is pushed back in and locks in place providing protection from the cold and will shed any surface water by means of the positive slope designed profile. If you need more insulation than your standard wall assembly will provide, are designing a Passive or Net Zero building or are just doing a retrofit to an old structure, Thermal Wall PH is the right choice. See what Lloyd Alter from Treehugger.com had to say about ThermalWall PH at https://goo.gl/AADz1a.

For more information visit www.Legalett.ca or contact us at 888-299-7567 ext. 101.

Improved Plumwall All-in-One System

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.

Bracing

Hilltop Scaffolding and Bracing System

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 heights (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.

Bucking

Pro Buck by Logix ICF

Pro Buck installs quickly and efficiently and saves you time and money.

Pro Buck panels interlock end-to-end. Off-cuts become the start of your next piece. You’ll have next-to-no waste.

Pro Buck picture framing does not have to be removed after the pour, saving you even more time and money.

Logix Pro Buck eliminates thermal bridging as well as the potential for wood rot, and it also minimizes long-term air leakage and energy loss while finishing the building with a clean professional look.

Logix Pro Buck—The complete solution for ICF wall openings.
Densifiers

Bright Technologies

Sebright Products, Inc. offers solutions for recycling EPS foam, selling, designing, manufacturing, installation, and service for 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.

Floors-Radiant Panels

Amvic Insulated PEX Panel

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.

Heat-Sheet Radiant Floor Panels by Logix

Logix Insulated Concrete Forms Ltd. offers Heat-Sheet, a new lightweight radiant floor insulating system designed for slab-on-grade, sandwich slab, snow-melt, retrofit and overlay applications.

The compact 2’ x 4’ Heat-Sheet panels are made with Type II or Type III EPS, and come in six thicknesses and offer R-values from R-4 to R-14.

Heat-Sheet’s tough pre-formed nubules resist jobsite breakage and form the convenient 3” multi-directional tubing channel grid. With Heat-Sheet, 1/2”, 5/8” or 3/4” radiant floor tubing easily "walks into place" (usually in 1/2 the time or better) and stays in place without ties, clips or staples in most cases.

Heat-Sheet panels are available across Canada and in the USA. The availability of Heat-Sheet products will vary from region to region.

For additional information, or to download the Heat-Sheet brochure or installation guide, visit the website listed above.
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.

BuildRadius is a family of radius forms for use in ICF walls and pool construction. The BuildRadius forms create 2’, 4’, 8’, 12’, 16’, and 20’ curved radius walls. Each block uses the same BuildBlock interlock for 100% surface-to-surface connections and the standard BuildBlock web with patented 450lb+ hard points spaced 6” on center web spacing for superior strength. The 2’ and 4’ radius forms turn a full 90° in a single form replacing standard corner blocks in any wall, creating a smooth curved radius corner with just one form.

Available in 6” widths initially, these forms are designed to make building pools simple and straightforward and provide options when designing unique areas in ICF homes such as stairwells and southwest style homes. BuildRadius fully interlocks making construction easy and eliminating excessive strapping and bracing.
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Fox Blocks Compact
www.foxblocks.com 877-369-2562
The Fox Blocks Compact is a panelized product designed to stack seamlessly with the traditional Fox Blocks form line. The Compact reduces freight costs by shipping flat. With the new product line Fox Blocks can provide Double Brick ledge, Double Taper Top or a combination of these in all concrete core sizes. For additional resources look to www.FoxBlocks.com.

Fox Blocks Transition T
www.foxblocks.com 877-369-2562
The Fox Blocks Transition Ts are now available to address unique design requirements where concrete core wall thicknesses are different. To save time and labor Fox Blocks now offers T forms in 8” to 6”, 8” to 4”, 6” to 4” and 4” to 6” configurations with extra ties added at the T intersection to strengthen and support critical area during concrete placement. As the Multi-Family and Hospitality market segment grows, Fox Blocks continues to add solutions focused on saving the installing contractor time and labor on the jobsite. For additional resources look to www.FoxBlocks.com.

Quad-Lock’s High Performance Building Envelope
www.quadlock.com 888-711-5625
Quad-Lock’s R-28 Insulating Concrete Forms for walls and Quad-Deck for floors and roofs allows you to design and build the ultimate high performance, energy efficient, resilient and sustainable structure.

As global warming continues to have an impact on our environment and the built community is exposed to the hurricanes and tornadoes that ever increase in intensity, not to mention flood zones that seem to expand with less than predictable snow melt and spring time rains, insurance companies have acknowledged that building codes are not serving the very people they are supposed to protect.

An ICF home, is not only one of the best investments you can make for the safety and security of your family, but the financial savings realized through reduced energy consumption and insurance premiums, contribute to an improved monthly cash flow that will only increase your quality of life.

When you are deciding how to build your next home or project, consider the Total Cost of Ownership and work with Quad-Lock to achieve your desired outcome.

Superform ICF System
www.superformicf.ca 403-627-3555
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-24, 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.
Foundation

GEO-Passive Slab by Legalett

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.

On multi-story projects, walls can be panelized prior to construction of the applicable floors. Project timelines are tightened up, reducing the construction loan. And earlier opening dates put money directly into the developers’ pockets.

A number of other benefits, such as reduced hazard insurance, less form waste, and improved worker productivity reduce costs further.

ICF Panels are delivered to your jobsite ready to be braced and poured. Bucks, weld plates, and lintel rebar are installed prior to shipping. The majority of the reinforcing steel is replaced with Helix steel fiber, which ensures better consolidation, smoother pours, and stronger walls. Helix will be shipped to the jobsite along with the wall segments to ensure availability.

If you are a commercial developer, designer, or ICF installer wanting to maximize profits and gain market share, please contact ICF Panels, Inc. for additional information.

We work with all major ICF brands.

Services

ICF Panelization

A new panelized ICF building concept is set to revolutionize commercial construction. The patent-pending system is already in commercial use in select markets, and offers a host of advantages over stacking walls on site.

Wall sections are built indoors, in a controlled environment, and secured with an industrial-strength adhesive into a single monolithic segment. This eliminates the need for metal clips or tie-wraps, and ensures nothing shifts during transport, and eliminates block float and compression during the pour. Panels are easy to crane into place with a lightweight sign crane, and make it possible to build walls in hours, rather than days.

Construction delays due to inclement weather are eliminated.

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We work with all major ICF brands.

Residential ICF Design & Consulting

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 in 20 states and eight countries.

We have 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 & fewer challenges during construction. Robert will travel to your site to ensure the personal service and connection.

RKD also offers consulting services for the ICF industry. We can work with your clients to efficiently convert their plans and designs to ICF. In addition, we offer ICF specific design consulting such as Structural Engineering, Energy Analysis and Mechanical Design.

Robert is one of the founders of the ICF Builder Group and is once again working with the PCA for the PCA-100 Above Ground Concrete Wall Code.

Please contact us for a FREE, no obligation initial consultation.
Paid Advertising

Vibrators

Oztec Rebar Shaker
www.oztec.com 800-533-9055

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.

Waterproofing

Poly Wall Home Stretch
www.poly-wall.com 888-976-POLY

Home Stretch Waterproofing Membrane is specifically designed and engineered for use with Insulated Concrete Forms (ICF) technology. It is also an excellent choice for use on poured concrete foundation walls, Concrete Masonry Unit (CMU) walls and related applications where waterproofing is critical. Home Stretch Peel ‘N Stick is a self-adhering sheet waterproofing membrane 40 mils thick which consists of a strong pliable high density polyethylene (HDPE) facing bonded to a rubberized asphalt waterproofing compound that has been proven over many years of use to be supreme-ly effective waterproofing substance. Home Stretch Peel ‘N Stick is available in easy to handle and install 36” wide by 66.7’ long rolls (200 sf / roll) with a disposable treated release liner. When installed with Shur-Tac Adhesive, Home Stretch Detail Tape, Blue Barrier 2200 Joint Filler and Poly Wall Arroyo Drainboards and accessories creates a complete protection, waterproofing and water abatement system for your ICF structure.

Poly Wall Joint Filler
www.poly-wall.com 888-976-POLY

Poly Wall Blue Barrier Joint Filler 2200 is a structural adhesive and detail sealant used to fill voids and seams and to bond dissimilar materials. This product is ideal for sealing transitions utilizing our below grade waterproofing systems, including our Home Stretch Waterproofing Membrane for ICF. The Silyl Terminated Polyether Technology in the product allows it to bond and cure when moisture is present. It’s also fiber-reinforced to be used around pipes and penetrations both above grade and below. Joint Filler 2200 is environmentally friendly – solvent free and low VOCs. It’s superior adhesion also allows it to bond to multiple substrates. Typically, Joint Filler 2200 is used to prep surfaces prior to application of other Poly Wall Blue Barrier products for Window and Door Flashings and Air Barriers. Available in 10 oz. caulking tubes or 20 oz. sausages for easy troweled application.

Rub-R-Wall Aqua Waterproofing
www.rpcinfo.com 770-410-1545

Rub-R-Wall Aqua Waterproofing is a single component spray applied polymer membrane. It is a less than 20gl per liter VOC water based coating. Rub-R-Wall Aqua is UV stable and was designed with the ICF contractor in mind. Rub-R-Wall Aqua has many beneficial features of Rub-R-Wall Waterproofing without the special equipment required to apply. Rub-R-Wall Aqua is available in 5 gallon pails, 55 gallon drums and 350 gallon totes. Rub-R-Wall Aqua also has accompanying mastic to address gaps and voids to a substrate. For information on Rub-R-Wall Aqua Waterproofing or any Rubber Polymer Company products, please visit our web site at www.rpcinfo.com.