



STRENGTH & BEAUTY

Imagine the Possibilities

FOXBLOCKS.COM

DISCOVER

DISCOVER THE BENEFITS OF FOX BLOCKS
INSULATING CONCRETE FORMS (ICFs)





Discover the many benefits of the Fox Blocks insulating concrete forms.

Fox Blocks by Airlite Plastics Co. manufactures a precision double insulated concrete forming product.

As an industry leader, the proven ability of Fox Blocks to reduce construction time while improving quality, reducing energy costs, enhancing resiliency against extreme weather events, creating occupant comfort and providing owner lifetime operational savings allows us to drive profitability for owners and developers alike. Please take a look and learn about what Fox Blocks offers developers, contractors, owners and others in the construction industry in addition to the building occupants and the surrounding community.



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FOX BLOCKS SETS THE BENCHMARK FOR LEAN CONSTRUCTION AND PERFORMANCE!

Fox Blocks insulating concrete forms create a high performance building envelope with an integrated design process and here's what that means for you.



Air Tight Fox Blocks wall assembly combined with quality doors, windows and a properly secured and insulated roof system.



Fox Blocks ICF assemblies provide indoor comfort and improve a building's operational performance characteristics for the interior environment by eliminating moisture intrusion, managing the air flow and allowing for accurate climate control and sound mitigation.

Fox Blocks ICFs address all three of the thermal transfer properties that define the energy efficiency of a building.



Conduction — High R-Value of R-23.5

Convection — Air Tight wall with an ACH of .04-.09

Radiation — High thermal mass of the concrete



The performance characteristics of our wall assembly can dramatically reduce the first cost sizing and ongoing operational expenses of the heating and cooling systems as well as reduce the Photovoltaic (Solar) requirements and costs putting Net Zero within reach.



Fox Blocks ICFs help in achieving up to 50% energy savings toward a Net Zero Energy Building for any building when following ASHRAE guidelines. Strategies for achieving energy targets are provided throughout the guide and cover how to set measurable goals, hire design teams committed to that goal, use simulation throughout the design and construction process and maintain awareness about how process decisions affect energy usage.



Fox Blocks ICF wall assemblies meet and exceed safety/resilience/durability requirements for for Division 03 Concrete, Section 031119 ICF; Whole Building Design Guide (WBDG) Unified Facilities Criteria (UFC) & FEMA-ATFP Federal Military and DoD Standards.





LEAN CONSTRUCTION MEANS LESS TIME, LABOR, RISK AND INCREASED PROFIT OPPORTUNITIES!

The Fox Blocks wall assembly expedites the building process by incorporating many building science and construction advantages into one product - Structure, Continuous Insulation, Air Barrier, WRB, Vapor Retardant, Attachment Surface, and Reversible Interlock. This results in faster construction, with fewer trades, and a dramatic reduction in materials versus multi-layered traditional assemblies, all to achieve a high-performance wall assembly.

FEATURES

Rebar Saddle

Horizontal positioning and secured placement of lap splices

Concrete Form

Exterior and interior

Continuous Insulation

Embedded full height for exterior and interior

Air Barrier

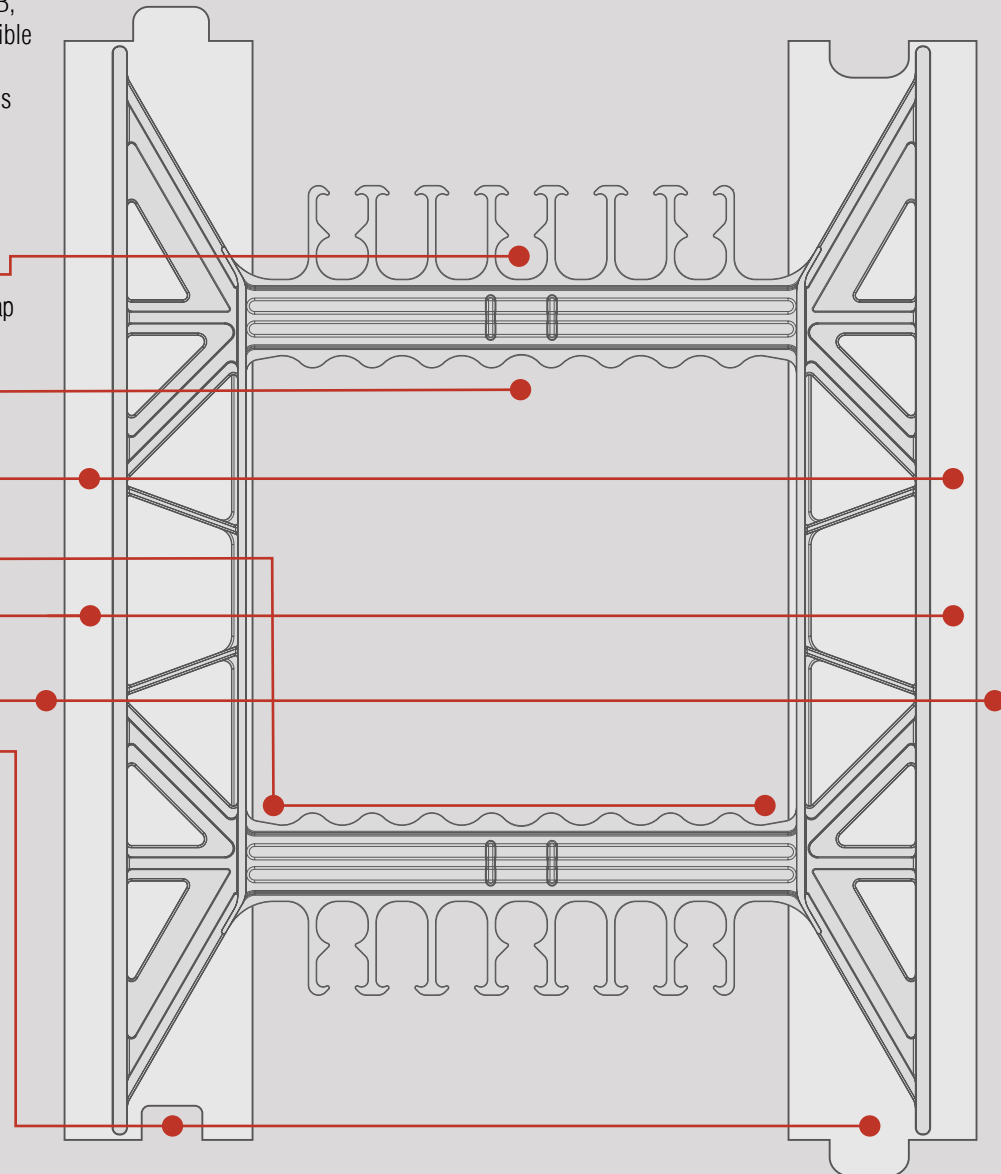
Furring

Embedded full height for exterior and interior

Vapor Retarder

Reversible Interlock

Reversible top & bottom interlock saves time and reduces product needs



FOX BLOCKS IS LEED-ING THE WAY!

Fox Blocks Insulating Concrete Form Walls specified for the exterior building envelope on sustainable projects will add directly and indirectly to the contribution of LEED points and Sustainable-Resilient design and points for the project in multiple credit categories. The overall building is evaluated and assigned a LEED rating. In the selection of building materials for a LEED design, Fox Blocks has many benefits that can enable, enhance or directly contribute toward LEED points for the project.

RESOURCES & LINKS



Find us in



a product of The American Institute of Architects





With Fox Blocks, you'll have access to an engineer who can help you with prescriptive wall reinforcement, moisture management and building code compliance.

Specialists who can teach installation techniques online and answer questions throughout the construction process. Go to the Fox Blocks website to find the **Integrated Learning Center** with training courses to help you and your crew prepare for upcoming projects.

FOXBLOCKSTRAINING.COM



UTILIZE LEAN CONSTRUCTIONS PRACTICES... AND SAVE MONEY WHILE LOWERING ON SITES RISKS!



Fox Blocks ICF wall assembly can provide a lower cost to construct vs. traditional commercial wall assemblies (CMU/Tilt/Steel) based on the new energy codes. Fox Blocks ICF Wall assemblies tout an interior and exterior layer of CI (Continuous Exterior Insulation) and higher R-Values than traditional assembly. Fox Blocks ICF wall assemblies meet and exceed current and pending energy codes while traditional wall assemblies are trying to meet the current codes at a price that's competitive.

FOX BLOCKS WEATHERS THE STORM AND PROTECT YOUR ASSETS!



Weather conditions are changing and becoming more damaging. Fox Blocks offers you a safer structure that is proven to withstand the forces of nature like hurricanes, floods and tornadoes. Our ICF wall assemblies meet ICC 500 for flying debris from tornadoes and hurricanes, plus come with an up to 4-hour fire rating.

FOX BLOCKS IS THE CONTRACTOR'S LEAN ADVANTAGE!



Fox Blocks expedites the building process while lowering on-site risk concerns using less labor. The 6 in 1 assembly supplies an infield modular construction process that reduces trades, waste and the overall construction schedule.

DESIGN IT BETTER WITH BIM - BUILDING INFORMATION MODELING

Helping design professionals with the Revit wall assembly family. That's why we have provided BIM content and Revit files for architects and designers to download and incorporate into their design projects.



Fox Blocks Insulating Concrete Form (ICF) Wall Assemblies provide an energy efficient building envelope offering superior strength, sound, air quality and are well insulated with a continuous layer of interior and exterior insulation.

Designing a full wall assembly? Learn how to use Fox Blocks products in the BIMsmith Forge application, a free tool where you can assemble complete wall assembly for Revit, complete with all the data, cut sheets and specs for each layer.

It's never been easier to design with Fox Blocks insulated concrete form wall assemblies. Start designing with BIM-Fox Blocks for your upcoming projects.



EDUCATION





COMMUNITY





HOSPITALITY





WE MUST BUILD UTILIZING NEWER TECHNOLOGIES TO SIGNIFICANTLY IMPROVE
OUR LOCAL ENVIRONMENT AND PROVIDE A BETTER PLACE TO LIVE AND WORK.

SUSTAINABLE LEAN CONSTRUCTION IS REQUIRED FOR US ALL TO MAKE
A DIFFERENCE THAT WILL BE FELT FOR GENERATIONS TO COME.

FOX BLOCKS WELCOMES THE OPPORTUNITY TO WORK
WITH YOU ON YOUR UPCOMING PROJECTS.

LET'S MAKE A DIFFERENCE!



FIND A LOCAL FOX BLOCKS DEALER OR REGIONAL ADVISOR

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In the USA there are 2 LEED Guides for which Fox Blocks ICF can make a contribution to the project point score: LEED 2009: Reference Guide for Green Building Design and Construction for the Design, Construction and Major Renovations of Commercial and Institutional Buildings Including Core & Shell and K-12 School Projects LEED 2008: Reference Guide For Homes. Of interest to us is what sections Fox Blocks walls may make contributions to the LEED point scores. For the LEED 2009 Guide, Fox Blocks walls may contribute to point(s) in the following sections: - EA Prerequisite 2, Minimum Energy Performance - EA Credit 1, Optimize Energy Performance - MR Credit 4, Recycled Content - MR Credit 5, Regional Materials (within 500 miles of Omaha) - Schools: IEQ Credit 4.6, Low Emitting Materials - Ceiling and Wall Assemblies For the LEED 2008 Reference Guide For Homes, Fox Blocks walls may contribute to point(s) in the following sections: - ID 2, Durability: Planning, Management & Verification - EA 1, Optimize Energy Performance - EA 2, Insulation - EA 3, Air Infiltration - MR 2, Environmentally Preferable Products - MR 3, Waste Management - EQ 10, Garage Pollutant Protection. Total points available in USGBC LEED NC 3.0 are 110. Thresholds for certification are as follows: LEED NC 3.0 Certified 40-49 Points LEED NC 3.0 Silver 50-59 Points LEED NC 3.0 Gold 60-69 Points LEED NC 3.0 Platinum 80+ Points