

ICFs *Insulating Concrete Forms*



ICF Applications

There is no limit to the opportunities for ICF construction:

- Multi-unit residential
- Apartment complexes
- Assisted living
- Condominiums
- Hotels
- Restaurants
- Warehouses
- Box stores
- Strip malls
- Hospitals
- Clinics
- Manufacturing facilities
- Swimming pools
- Residential construction

(800) 289-2569

www.countymaterials.com



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Consider the Advantages for Commercial Construction

Insulating Concrete Forms make it easy to achieve sustainable construction and optimize a building's lifetime performance. Because of their numerous advantages, ICFs are rapidly gaining market share in both above and below grade commercial applications.

Faster Building Process

For design and construction, ICFs offer an easy and reliable system. Hollow foam blocks are stacked quickly and easily using common construction tools and equipment. The blocks are filled with high strength, steel-reinforced concrete, forming a solid structure. The concrete is sandwiched between two layers of light, high-insulation foam that remains in place to reveal a fully insulated wall surface. Typical ICF installations can shorten a project's construction schedule because experienced crews can install units faster, even in winter conditions.

Enhanced Efficiency

Heating and cooling expenses are some of the highest costs a building owner may face. ICF walls can make a substantial difference to the thermal envelope. The high R-value of the insulation, the thermal mass of the concrete, and the system's ability to moderate temperature swings all combine to create walls that are extremely energy efficient. This in turn helps conserve natural resources and reduce energy costs.

Building Green

Because of their energy efficiency, ICFs can significantly contribute toward USGBC LEED® Energy Optimization credits. These are the toughest points with the greatest savings in life cycle costs. ICF Construction can also contribute to recycled content and local manufacturing. Additional "green" advantages include air tight construction, no off-gassing for better control of indoor air quality, minimal construction waste, durable building material and outstanding lifetime performance.

Lasting Building Envelope

Building owners can enjoy reduced maintenance and lifetime building costs with ICF construction. ICF walls are constructed with long-lasting concrete that is strong, highly durable and resistant to pests, fire and mold and mildew, far outlasting other building materials. Building owners can also enhance the comfort, safety and health of their occupants with ICFs. The solid concrete walls provide superior soundproofing from outside noises. Because ICF structures are up to 8-1/2 times stronger than typical wood framed structures, they are highly resistant to strong winds and severe weather. In addition, the walls do not support combustion and meet 4-hour fire ratings.



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