



**Diamond Snap-Form® (DSF)** Insulated Concrete Form System (ICF) is a faster, stronger, greener insulated concrete form system consisting of Foam-Control® EPS with Perform Guard insulation and Diamond Snap-Tie connectors. The system combines the insulating effectiveness of Foam-Control EPS with the structural integrity of concrete. The result is a strong, insulated building. The DSF ICF system is used in residential and commercial construction.

### Building Code.

The DSF ICF System functions as an insulated form system only. Design and construction of the concrete wall should conform to the latest edition of the building code in effect for the local jurisdiction.

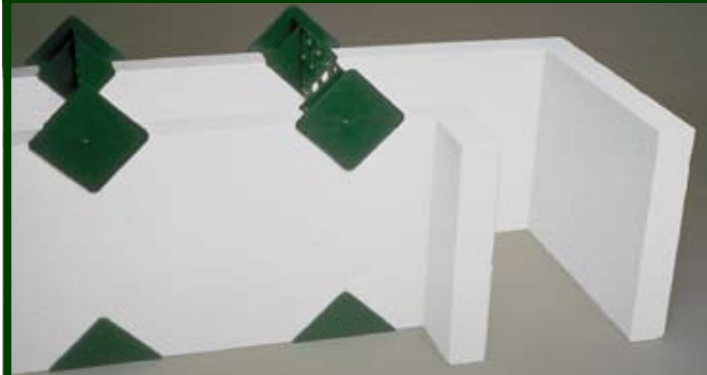
### Installation.

The DSF ICF system uses 1' x 8' planks of Foam-Control EPS with Perform Guard joined by a Diamond Snap-Tie connector every 12" both horizontally and vertically. The Diamond Snap-Tie connector creates a cavity for the concrete between two faces of 2" high-density Foam-Control EPS with Perform Guard.

The DSF ICF system remains in place after the concrete is poured, serving as wall, insulation, and attachment base for facing material. Floor and roof assemblies are connected to the wall similar to any poured concrete wall.



# Diamond Snap-Form®

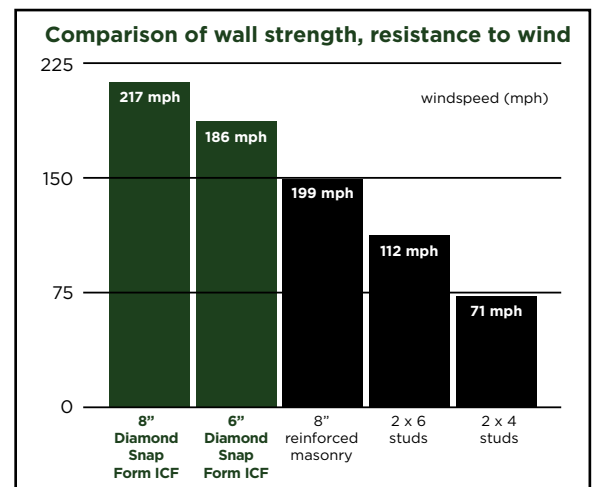


## Advantages:

### Faster.

DSF ICF is engineered so joints do not need to be staggered, saving time and material cost, and simplifying construction. DSF is easily stacked in even 1-ft. increments, and is easily cut to adjust walls to non-standard heights. DSF ICF makes rebar installation very fast and easy.

### Stronger.



### Greener.

Energy Efficient Diamond Snap-Form significantly reduces air infiltration and thermal bridging in the walls. Diamond Snap-Form walls achieve maximum insulation value, saving energy and reducing pollution. DSF insulation uses no ozone depleting agents and can be recycled.

## LEED Point Potential.

USGBC developed the Leading in Energy and Environmental Design (LEED) Rating System to help encourage sustainable building design. LEED point potential using Foam-Control EPS:

- Minimum Energy Performance - 2 Points.
- Optimized Energy Performance - 1 Points.
- Recycle Content - 4 Points.
- Local/Regional Materials - 5 Points.



## Proven to meet, or exceed, building codes.

Foam-Control EPS is manufactured to Quality Control Program standards monitored by Underwriters Laboratories Inc. and recognized by national building codes. Foam-Control EPS meets ASTM C578, "Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation".



## R-value.

Concrete Thickness	4"	6"	8"	10"
R-value at 75°F	18.7	18.9	19.1	19.3
R-value at 40°F	20.3	20.5	20.7	20.9

One of the most destructive forces anywhere is termites. Our Diamond Snap-Form uses Foam-Control EPS with Perform Guard® which has a proven and safe additive, that effectively resists termites and meets building code.



## For further information about

### Diamond Snap-Form ICFs

call: 800-766-3626 or 406-388-4146

Email: [contact@diamondsnapform.com](mailto:contact@diamondsnapform.com)

visit: [www.diamondsnapform.com](http://www.diamondsnapform.com)

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UL logo is a registered trademark of Underwriters Laboratories Inc.  
DSF01-02/11

## Construction Details.

The Diamond Snap-Form (DSF) ICF System is easy to handle and installation is fast. Complete detail drawings, technical specifications, and a building techniques video are available. You can download the DSF ICF system documents from our Web site: [www.diamondsnapform.com](http://www.diamondsnapform.com).

## Shipping, Handling, and Costs.

DSF ICF comes as compact components - ties and insulation planks. These are easy to handle and less expensive to ship. They occupy only 45% of the volume of typical "block" ICF systems.

- DSF ICF has less labor cost to install because it is simpler to meet job variations.
- DSF ICF materials cost less than many block and metal frame systems.

## Ready to Start?

If you're wondering how the DSF ICF system can work on your next project, please contact us. We'll be happy to provide information about our products, pricing, and answer all your DSF ICF questions.



**Disclaimer:** Details, illustrations, pictures and guidelines provided herein give basic information and illustrate examples of DSF ICF System installation. The basic information provided herein is not intended to cover every potential use and application of the DSF ICF System. It is the responsibility of the installer to become familiar with his specific application and determine if the DSF ICF System is suitable. By commencing work, the installer accepts full responsibility for the proper and safe installation of the DSF ICF System at his job site. Furthermore, it is the sole responsibility of the installer to meet all federal and local regulatory requirements for job site safety for himself, his workers and any others on the job site while in the execution of all phases of the DSF ICF System installation. Construction must be done in compliance with local building codes.

