

# The TRUTH Revealed about Conventional "Block" Don't be fooled by tricky words

*Solid, Safe and Sensible Shell  
Construction System  
Omnicrete is the authentic ICF system*



*that is the Greenest, most sustainable, energy efficient, fire proof, termite proof, mold proof and driest building system ever to enter the construction market. It costs less and is over twice the wind resistance and impact resistance of all other ICF systems.*

### Did you know?

Throughout time, man's attempts to control the elements of mother nature have been feeble at best. Time, and time again, when put through the test of a natural anomaly conventional block and wood construction have desperately failed. If that weren't bad enough, American block manufactures, driven by greed, increased the holes in block and the remaining block material have been diluted with clay to save on Portland Cement. Greed has caused many times the destruction when an anomaly does visit. Omnicrete has the solution. Omnicrete building process will stand up to all acts of mother nature and man's destructive propensities. Overall Omnicrete costs less than conventional block and wood construction after considering utility, insurance and maintenance savings. History has proven that man's long time desire to take short cuts has cost billions.

**Omnicrete:** Safe, Solid, Sensible Construction

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## OMNICRETE ICF



Omnicrete is the only authentic ICF stay-in-place wall forming system in the world. Forming walls are made from concrete (*Autoclaved Aerated Concrete*). Notice the thickness the Omnicrete forming walls compared to the thin webs in a standard concrete block. Every joint failed in the wall that fell over during construction of the conventional block construction system. Omnicrete truly is the "Greenest" wall system ever! Notice the upper right picture- ready to pour **NO BRACING!** Omnicrete "R" factor is R-44.75 and block is "R-11".

**OMNICRETE - Safe, Solid, Sensible Construction**

## CONVENTIONAL BLOCK



Even though ASTM (American Society for Testing and Materials) specifications define a solid concrete block as having the core area not more than 25 percent of the gross cross-sectional area, most block manufacturers enlarge the hollow part of the block to between 40% to 50% of the block area. Moreover, in the solid part of the block, a "filler" is used in place of concrete to decrease the cost. In summary, only 50% or less of a block is mass, and that mass is compromised by fillers. Who, knowing this would trust this type of construction? In short, a block wall is very much structurally unreliable at best. No wonder it fails when put to the test of mother nature time and time again.

The conventional block pictures reveal a lack of structural ability. Additionally Insulation is only a 1/2 to 3/4 inch of Styrofoam sleeve causing the "R" factor to be the worst in the American building industry. Block is still the icon of building in the south east United States and the Islands. Recent building code changes have required cells to be down poured on both sides of doors and windows openings and at corners to increase the structural value of the wall which helps but remains the most inferior building process ever placed on a job site. It is as un-green and non-eco friendly a system that is being used today.

## FEATURES AND BENEFITS COMPARISONS

| <u>Description of Feature:</u>             | <u>Omnicrete ICF</u>             | <u>Conventional Block</u>       |
|--|----------------------------------|---------------------------------|
| Are the finish walls monolithic (1 piece)? | Yes                              | No; weak block weak joints      |
| Are sustainable building materials used?   | Yes                              | No                              |
| How wind resistant are the finish walls?   | 300 mph; will test at 500 mph    | Minimum Building Code Req.      |
| What about termites & other insects?       | 100% resistant to all insects    | Very poor                       |
| How is base molding attached to walls?     | Nail Gun - With Ease             | Nail Gun                        |
| How is crown molding attached?             | Nail Gun - With Ease             | Nail Gun                        |
| Is drywall used inside of the home?        | No                               | Yes                             |
| Can heavy pictures be hung on walls?       | Anywhere on Wall With Ease       | Yes with special anchors        |
| Can rats, mice & bugs nest in wall cavity? | No                               | Yes                             |
| Can forms move while pouring?              | No                               | n/a - No Core                   |
| How are finished coatings applied?         | Both sides one coat Plaster      | Drywall inside, wire/stucco out |
| Can forming walls burn?                    | No; they are 100% concrete       | n/a                             |
| Are walls impact resistant?                | Durable 100% concrete walls      | Not at non-poured cells         |
| Fire rating of forming walls?              | 1 hr / inch = 8 hrs total + core | n/a                             |
| Are walls environmental friendly?          | Yes, all concrete                | No, wood bucks, drywall         |
| Are forming walls considered "Green"?      | Yes, best of all systems         | n/a                             |
| Are windows attached to concrete core?     | Yes                              | n/a                             |
| What maintenance is req. around windows    | None                             | Frequent caulking required      |