

# The TRUTH Revealed about SIP Systems Don't be fooled by tricky words

*Solid, Safe and Sensible Shell  
Construction System  
Omniconrete 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?

The processes used to manufacture Polystyrene, which is used in the center core of the Structural Insulated Panel (SIP), are immediately destructive to the environment. The process involves the use of two carcinogens (cancer causing agents) benzene and styrene. Some studies have indicated that the process is also dangerous to factory worker's health. After the disasters of Asbestos and lead based paint, is it really worth the risk of potentially dangerous chemicals introduced inside the walls of our homes? The use of such chemicals opposes the concept of a Green building process. Omniconrete ingredients and process are natural and sustainable. No dust or environmental harm is created during the manufacturing process. Pieces are cut while the material is wet before it is baked and therefore no dust is generated during the cutting process. The choice is whether you use a chemically based material or an organically based process; that's the real question.

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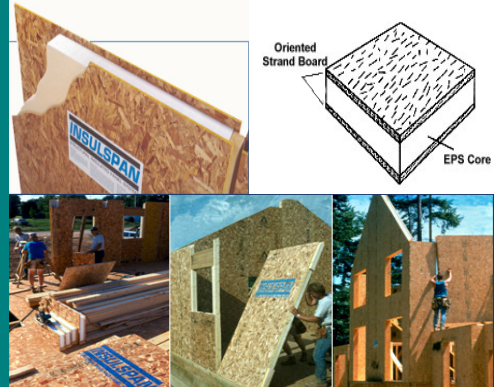
## OMNICONRETE ICF



Omniconrete is the only authentic ICF stay-in-place wall forming system. Forming walls are made from concrete (*Autoclaved Aerated Concrete*). Notice the thickness of the Omniconrete forming walls as compared to the thin layers of Oriented Strand Board (OSB) outer walls of the SIP panel. Finish materials on the Omniconrete walls are easily applied to inside and outside walls (no drywall is used). Notice the materials being used in this SIP's system; wood and Polystyrene that both are non-green materials that off-gas, burn, rot and is a poor insulator. Again, Omniconrete is the "Greenest", safest, least expensive system ever developed...

**OMNICONRETE - Safe, Solid, Sensible Construction**

## SIP SYSTEM



SIPs are panels of thick foam sandwiched between 2 layers of OSB plywood, or fiber-cement, providing limited structural framing, insulation, exterior sheathing and interior drywall. One important concept with SIPs, Tilt Wall and any panelized system is that the structural value of the entire assembly is as strong, air tight and sealed from moisture as the joints between the panels. Most SIPs are bolted in three places on an 8 to a 10 foot high wall making it vulnerable to wind destruction. Additionally, the OSB board could rot, burn and warp. The strands in the Oriented Strand Board are held together with Phenolic Resin. During a fire, phenolic resin typically generates hydrogen, hydrocarbons, water vapor, carbon dioxide and could hardly support a case touting SIPs as a "Green Building" and safe construction process.

Structural Insulated Panels are hardly "safe" construction. The lack of weight of the assembled wall is hardly an argument for protection of the buildings occupants. Fire will easily burn through the outside walls, termites can destroy the structural components of the wall and like most ICF systems, the Polystyrene emits toxic gases while burning. In a light weight SIPs systems the roof is a key ingredient for wall support. An Omniconrete wall will withstand hurricane winds even without a roof. In summary, fire, moisture, termites, wind damage and cost of the SIP systems are reasons to choose Omniconrete. Visit our web site at <http://www.omniconrete.com> and <http://www.omniconrete.net>

## FEATURES AND BENEFITS COMPARISONS

### Description of Feature:

Are the finish walls monolithic (1 piece)?  
Are sustainable building materials used?  
How wind resistant are the finish walls?  
What about termites & other insects?  
How is base molding attached to walls?  
How is crown molding attached?  
Is drywall used inside of the home?  
Can heavy pictures be hung on walls?  
Can rats, mice & bugs nest in wall cavity?  
Can forms move while pouring?  
How are finished coatings applied?  
Can forming walls burn?  
Are walls impact resistant?  
Fire rating of forming walls?  
Are walls environmental friendly?  
Are forming walls considered "Green"?  
Are windows attached to concrete core?  
What maintenance is req. around windows

### Omniconrete ICF

Yes  
Yes  
300 mph; will test at 500 mph  
100% resistant to all insects  
Nail Gun - With Ease  
Nail Gun - With Ease  
No  
Anywhere on Wall With Ease  
No  
No  
Both sides one coat Plaster  
No; they are 100% concrete  
Durable 100% concrete walls  
1 hr / inch = 8 hrs total + core  
Yes, all concrete  
Yes, best of all systems  
Yes  
None

### SIPs

No; in small to large panels  
Absolutely none used  
Minimum Building Code Req.  
Very poor, can nest in wall  
Nail Gun -With Ease  
Nail Gun -With Ease  
Yes  
Yes with special anchors  
Yes  
n/a - No Core  
Drywall inside, wire/stucco out  
Yes; plus Polystyrene can melt  
Very little  
Unknown - will burn / melt  
No; wood, Polystyrene & glue  
No; wood, Polystyrene & glue  
No; to wood bucks  
Frequent caulking required