



EZ-BUILD SYSTEMS™

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Just imagine the possibilities...



why build with
EZ-BUILD SYSTEMS™?

Call **EZ-BUILD SYSTEMS™** today
to start planning your dream home!

Customer Benefits of using
EZ-BUILD SYSTEMS™ Home Packages:

- Greater Access to Housing
- Lower Energy Bills
- Interactive Systems Benefits
- Extremely Strong Structure
- Limitless Design Options
- Quicker Occupancy
- Straight Walls
- Improved Comfort
- "Freeze Proof"
- Green Building Product
- Custom Home without the Cost
- One-Stop-Shopping
- Honest, Friendly and Informative Customer Service and only one Toll Free Call Away!

Nationwide Dealerships:

Look for the RED EZ-BUILD SYSTEMS™
Authorized Dealer Logo in your area
or call head office for more info.

DEALER INQUIRIES: 888-755-2539



www.portersips.com



www.energystar.gov



Member
NAHB
NATIONAL ASSOCIATION
OF HOME BUILDERS
www.nahb.org



www.ez-buildsystems.com

THE EZ-BUILD SYSTEMS™ DIFFERENCE:

Pre Engineered Building Components to Complete the Dry-in Shell of Any Residential or Commercial Building
Engineer Stamped for Every State
Nationwide Distribution Network

Free Training and On-Site Help for First Time Users of Structural Insulated Panels

Unlimited Design Options

Custom Packaged Building Systems (we can supply any building material requested for the outer shell) at an Affordable Price!

Land, Construction and Mortgage Financing Packages

Energy Star Qualified Homes

ADVANTAGES OVER STICK BUILD:

Structural Insulated Panels Offer:

- High Energy Efficiency
- Less Construction Time
- Withstand 160 mph Winds and Earthquakes
- Code Approved in 50 States & 35 Countries
- Environmentally Friendly
- Mold Resistant
- Higher Mortgage & Re-Sale Value of Your Home
- More Design Options & Flexibility
- Quality Controlled Product

Who is EZ-BUILD SYSTEMS™?

One of the largest providers in North America of affordable, easy to assemble residential and commercial buildings. As a "systems" provider, we have the flexibility of being able to supply the entire building envelope utilizing various state of the art building components, including Structural Insulated Panels (SIPs). EZ-BUILD SYSTEMS™ customers receive strong, quality built homes that are custom fit to meet their needs and desires.

What are SIPs?

Structural Insulated Panels are high-performance building panels for floors, walls and roofs in residential and commercial buildings. Each panel is typically made using thick blocks of rigid expanded polystyrene (EPS) foam insulation sandwiched between two structural skins of oriented strand board (OSB), but other surfaces are also available to meet your needs.



SIP panels replace conventional "stick" construction (SIPs replace the studs, insulation and sheathing) without compromising any elements of building design. In fact, due to the immense strength and structural integrity of SIPs, there may be in fact, more design options by using SIPs over conventional framing (ability to clear span greater distances without bracing). With a proven history of performance since the 1950s, SIPs are a proven and preferable alternative to conventional "stick and batt" framing systems.

What is included in an EZ-BUILD SYSTEMS™ package?

We use only the best products with recognized and respected names such as PORTERCORP who offers state of the art SIP technology, international licensing, 40 years experience in the SIP production business and experienced designers and operators; Custom designed pre-cut, quality I-Joists or web trusses for flooring; Pre-engineered energy heeled trusses for roof systems also custom made to any blueprints; Nationwide-licensed engineers who will make sure that your system is designed to pass all local and national building codes.

EZ-BUILD SYSTEMS™ provides all the materials that are required to complete the envelope of your home.

You will receive:

- 3 Complete Components:
 1. Structural Insulated Panel Wall System
 2. Sub Floor System
 3. Roof System



These components comprise everything you need to turnkey the outer shell of your home based on the set of architectural drawings that you choose.

Also included in your EZ-BUILD SYSTEMS™ package are Professional Structural Engineered drawings for the specified building (your permit is guaranteed); Shipping to Site; Numbered Assembly Drawings to clearly show how the building goes together; and A Toll-Free Number for technical support.

* Please note: Additional building components (not included in posted square footage prices) are also available if desired, e.g. - Windows, Doors, Interior Walls; alternative options to OSB siding on the panels (such as metal, concrete, SmartPanel, T&G, T1-11, etc.)

Why SIPs?

It is the VERSATILITY of SIPs combined with their strength, energy savings, and ease of use that are some of the main reasons why EZ-BUILD SYSTEMS™ has made them its mainstay. SIPs can be used in conjunction with virtually any other type of building product, i.e., ICFs, stick framing, timberframe, log, steel, concrete, etc. Tired of hearing that you only have one product line to choose from? With EZ-BUILD SYSTEMS™, you do not have to sacrifice your dreams by choosing one system over another. You can have it all in one package!



Structural Integrity

SIPs are an incredibly strong building product. To look at them, you would never know it, but SIPs are able to withstand up to 160 mph winds and are known to survive earthquakes with no structural damage, where conventional homes have been destroyed.

What makes SIPs so strong is the factory pressure bonding process that sandwiches the EPS core to the OSB "skins". The EPS (expanded polystyrene) core serves as a rigid glue base material and an economical high performance insulation. The OSB (oriented strand board) acts as the "stressed skin" of the panel, and also provides a sturdy nail base to which interior and exterior finish material can be attached. In effect, SIPs act like an I-beam with the EPS core acting as the web and the OSB facings acting as the load bearing flanges. By choosing an EZ-BUILD SYSTEMS™ building package, you can feel confident that you are living in a safe, extremely strong and structurally superior home.



This SIP house was in the path of a tornado that struck Clermont, Georgia, in March 1998. While numerous homes were destroyed around it, the SIP house suffered absolutely no structural damage even after having been struck by these fallen trees. (Courtesy Michael Morley, "Building with Structural Insulated Panels-SIPs").

ENERGY EFFICIENCY RATINGS/WHOLE WALL "R" VALUE COMPARISONS

System	Wall Type	Insulation	Whole Wall "R" Value
Stick	2 x 4 @ 16" O.C.	R-11 BATT	9.6
	2 x 6 @ 24" O.C.	R-19 BATT	13.7
Metal	3 1/2" Metal	R-11 BATT	6.1
SIPS	4 1/2" SIP	3 5/8" EPS	13.9
	6 1/2" SIP	5 5/8" EPS	21.6
	8 1/4" SIP	7 3/8" EPS	28.3
	10 1/4" SIP	9 3/8" EPS	36.0
	12 1/4" SIP	11 3/8" EPS	43.7

Energy Efficiency

SIPs are one of the most efficient building systems available in terms of stretching heating and cooling dollars. A typical savings of 35-40% on these costs can be seen by building with EZ-BUILD SYSTEMS™ SIPs rather than conventional stick framing. This efficiency is measured by the "R" factor and "whole wall" rating of various building systems. The "whole wall" rating (see chart above) evaluates the material and framing configured in a typical wall. Since framing (whether wood or metal) is a much better conductor of heat than insulation, the greater the amount of framing, the lower the "R" factor of the "whole wall". For example, a 4 1/2" SIP wall exhibits a whole wall "R" factor of 13.9 versus a 2x4 stick wall "R" factor of 9.68 (16" on center). The efficiency of the SIP wall even exceeds a 2x6 stick wall ("R" = 13.69-24" on center) for energy savings. With this marked improvement in efficiency, SIPs have become the preferred building system in extreme climates (cold and hot) and in areas where fuel is expensive or choice is limited. In particular, homes using LP gas or electric heat will find a quicker pay back by opting for an EZ-BUILD SYSTEM™.

Environmentally Friendly

Using EZ-BUILD SYSTEMS™ SIPs ensures a high level of environmental sustainability. The finished home will have used fewer materials than a conventionally built home, require less energy to maintain, emit less pollution and result in an improved living space. SIPs are more environmentally friendly than conventional construction methods. The OSB is made from "new-growth" trees, requiring less virgin lumber than 2x4 construction. In addition, no out-gassing is produced from the foam releasing system, and the EPS foam core can be recycled. Furthermore, with EZ-BUILD SYSTEMS™ pre-cut SIPs for windows and doors, there is very little site waste when erecting the shell. So, you can feel comfortable in your living space, and at the same time, the environment will thank you.