INSULSPAN™

STRUCTURAL INSULATED PANEL SYSTEM

Insulspan is the supplier of choice for Insulating Building Systems.

With more than 30 years' experience in the development and manufacture of high-quality construction materials, Insulspan has the knowledge, resources and production capabilities for virtually any SIP project.

The Insulspan™ SIP system consists of oriented strand board (OSB) structurally laminated to a core of PlastiSpan™ expanded polystyrene (EPS) insulation. The Insulspan SIP System provides building owners with a proven method of constructing walls and roofs that will provide long-term energy cost savings and add resale value to the building.

Benefits of building with the Insulspan SIP System

- Numerous Building Applications
- Superior Thermal Resistance
- Reduced Air Leakage
- Structural Integrity
- Building Code Compliance
- Ready To Assemble System
- High Consumer Demand

The Insulspan SIP System

Building Applications

Insulspan SIPS can be used in a variety of applications, including residential, multi-family, log and timberframe, and commercial. Visit www.insulspan.com to view more projects.

Residential

Residential

Multi-Family

Log Homes

Timberframe Homes

Commercial

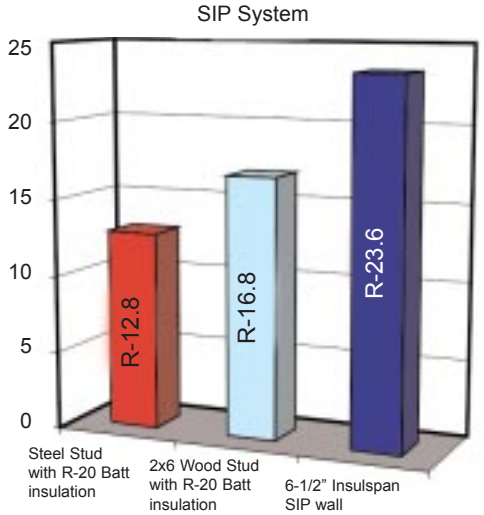
Effective Thermal Resistance

The Insulspan SIP System provides wall and roof assemblies with higher effective thermal resistance (R-value) than other construction methods. The R-Value of an assembly is a measure of its ability to resist heat flow through it. The higher the R-Value of your wall assembly, the lower your energy costs for heating and cooling your home.

Wall and roof assemblies built with the Insulspan SIP System result in 40-60% reduction in heat loss

The graph (right) compares effective R-Values for wall and roof assemblies constructed with the Insulspan SIP System versus stick-frame and steel stud construction methods.

Higher effective R-Value translates to reduction in heat loss and lower long-term energy costs.



Reduced Air Leakage

Air leakage is one of the biggest sources of energy loss in most buildings. This is why an air leakage test on the finished building is often used by energy efficiency experts to confirm the energy efficiency rating of new building construction. The air leakage rate for building construction is quantified in terms of air changes per hour (acph). An air change is defined as one air volume change.

Air leakage rates vary widely for different types of house construction. The Insulspan SIP system "closed-cavity" design results in significant reduction in air leakage with values of 0.2 acph or lower achievable. This compares to a value of 1.5 acph required by some rating systems for energy efficient construction.

Structural Integrity

Insulspan SIPS is designed to provide building owners with long-term strength, safety and security. Design charts for wind, snow and seismic load resistance capacity using a proprietary computer model with benchmark testing, conducted to produce design values meeting the reliability targets required by United States and Canadian Code requirements.

To ensure consistent performance, the panel manufacturing process is monitored by a third party certification agency as part of the stringent in-plant quality control process developed to assure panels meet long-term requirements as a structural component.

Building Code Compliance

Insulspan SIPS meets Code requirements for residential and commercial applications. Test results and assessments confirm compliance with Code requirements for structural design, heat transfer, air leakage and condensation control. See the ICC Evaluation Service Legacy Report NER-520.

Insulspan Ready to Assemble (RTA)

Insulspan SIPS is an industry leading ready-to-assemble (RTA) system that gives builders a real competitive edge over traditional stick-frame construction. The Insulspan RTA process reduces construction time and improves efficiency. Blueprints for your home are loaded into our computerized factory equipment where Insulspan SIPS are manufactured to your exact specifications, then delivered to your location as a ready-to-assemble building system. All accessories necessary to complete installation of the Insulspan SIP system are included.

Insulspan RTA Process: A Complete SIP Building System

Step 1:Insulspan panels are manufactured up to 24 x 8 ft. in a factory controlled environment.

Step 2: Insulspan panels are shipped from the manufacturing facilities to the job sites.

Step 3: Insulspan panel walls are installed, with rough openings already cut.

Step 4: The installation of the Insulspan panels continues with a second floor.

Step 5: The Insulspan panels are mostly installed on the home.

Step 6: The Insulspan roof panels are being applied with the use of a crane.

Step 7: The building envelope is complete with roof, windows and doors.

Step 8: The interior and exterior finishes are completed.

Insulspan Ready to Assemble (RTA) System Benefits

Architect Benefits

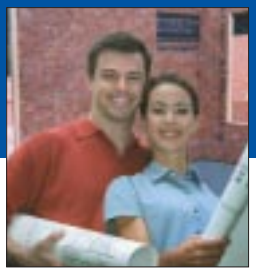
- Construction details can be downloaded from www.insulspan.com.
- Buildings have excellent performance characteristics for strength and energy efficiency.
- Factory quality control produces quality in the finished product.
- Programmed delivery and quick assembly on the job site enhances management of your schedule.
- Replace the human element on the job site with factory controlled precision.

Builder Benefits

- Building Envelope locked up faster, sub-trades in faster.
- Ready-to-assemble requires less labor, creates more profit.
- Build more structures without increasing labor force.
- Quicker lock-up means faster mortgage draws.

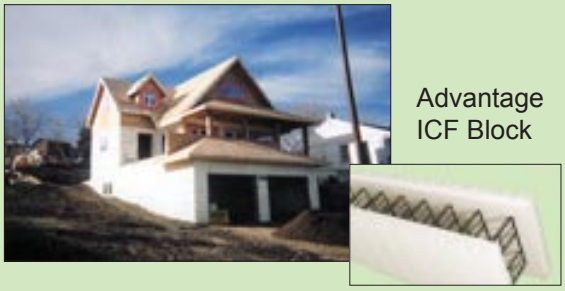
Sarah Susanka, renowned architect and author of "The Not So Big House" and associated volumes on this theme says, "Frank Baker and I have been working together on sustainable homes for many years. I use SIPS in many of my designs and believe that SIPS are the building envelope of the future."

Consumers are driving the demand for energy efficient building envelopes!



Frank Baker, President and founder of the company says, “Our recent merger with PFB Corporation has brought such significant synergies to our business. Our customers tend to be agents for change who think and act beyond the ordinary. This integration of the Advantage ICF with the Insulspan SIPS is so logical and so powerful for both the builder and the home owner. Our Insulspan insulated building systems are installed on site quickly, so the interior of a project can be finished in shirt-sleeve comfort in any climatic conditions, at any time of year. **“*Highest Performing!* BUILDING SYSTEMS”** featuring Insulspan SIPs and Advantage ICF systems mean lower operating costs. It also offers greater occupant security, particularly noticeable in violent weather, such as hurricanes, and natural disasters such as earthquakes.”

Highest Performing! BUILDING SYSTEM



Advantage ICF Block

Visit www.insulspan.com for more information on our **Highest *Performing!* BUILDING SYSTEM.**

Insulspan is “GREEN”

Frank Baker, President of Insulspan stated, “We are proud to be part of the Build-Green community. In fact, all of our building products are manufactured in an environmentally sensitive and responsible way. It makes sense to us to use our non-renewable resources to manufacture durable, recycleable products like the **Highest *Performing!* BUILDING SYSTEM** that saves energy on a long-term basis rather than burning them.”

This home received a *5-Star Plus* rating, from Energy Star, because of the large amount of energy savings.

Trust the most recognized brand in the industry.

Over 30 years of service in the SIP industry. Insulspan is known for its ***High Performance, State-of-the-art, quality products.*** Professional ***on-site expertise*** is provided with every ready-to-assemble system we deliver.

Frank Baker:
President & Founder of Company

Insulspan has been featured on numerous TV Shows....

This Old House (PBS, HGTV, A&E)
Bob Vila’s Home Again
(HGTV, PBS, CBS, ABC TV Affiliates)
Hometime (PBS, TLC, Discovery Home)
Michael Holigan’s “Your New Home” (PBS)
...AND in leading building & renovation magazines.

Visit the MEDIA section of our website for more details and listings.

INSULSPAN™
STRUCTURAL INSULATED PANEL SYSTEM

In US Contact:
1.800.PANEL10
www.insulspan.com

In Canada Contact: Plasti-Fab, Ltd.
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