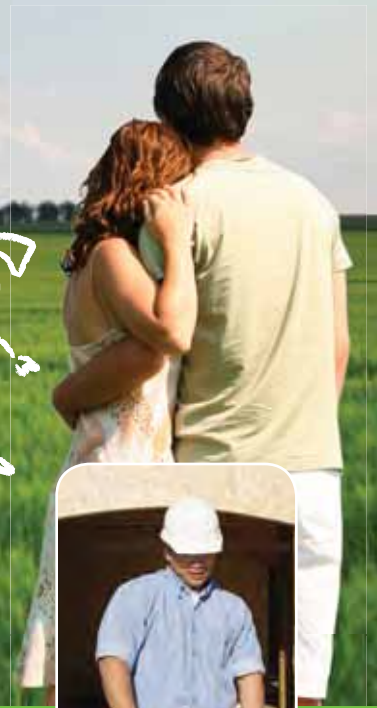


# INSULSPAN®

STRUCTURAL INSULATING PANEL SYSTEM

*Better building ideas from PFB™*



Sustainability

Comfort

Durability

Performance



## What are SIPs?

The Insulspan Structural Insulating Panel (SIP) system consists of performance rated oriented strand board (OSB) structurally laminated to a core of insulation. Insulspan SIPs provides building owners with a proven method of constructing walls and roofs resulting in real energy cost savings while adding resale value to the building.

Insulspan SIPs use closed-cell rigid EPS insulation cores which helps reduce air leakage and thermal bridging by providing a continuous layer of thermal insulation in both wall and roof assemblies.

For over 28 years, Insulspan has been leading the industry in the development and manufacturing of structural insulated panels.

## Insulspan SIP System Options: Prefabricated Panels

Fabricated panels are SIPs that are custom cut to meet design requirements. All panels are specifically pre-cut for your project and come to the job labelled and ready to start assembly. Fabricated panels will still need to have the panel to panel connection splines and any structural lumber installed on site. One advantage of this system is that if last minute changes occur, modifications can be made to the panels much easier than if the lumber is already installed.

## Ready to Assemble Panels

The Insulspan SIP System is also available as an industry-leading, ready-to-assemble (RTA) building system that gives builders a competitive edge over stick frame construction. This system choice is basically the same as the Prefabricated Panel option except that panel to panel connection splines and structural lumber is installed where possible.

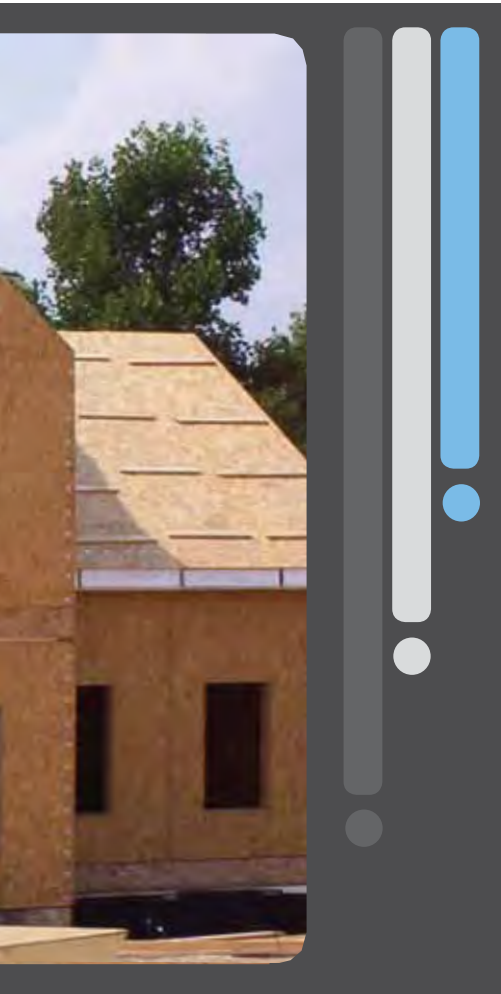
The advantage to this system choice is the reduction in assembly time at the jobsite. However, installation in the field of panel components required to create openings such as windows and doors will still be required.

## Why buy Insulspan?

Insulspan is committed to being a dynamic, environmentally responsible company that manufactures innovative, high-quality insulating building products that are the very core of energy-efficient residential and commercial structures.

Insulspan SIPs were voted one of the top 10 green building products of 2007 by the editors of Sustainable Industries. In the words of the judges, "not all Sips are created equal, and Insulspan is the best."





## 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 ratings 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 a whole house air volume.

Air leakage rates vary widely for different types of house construction. Typical energy efficient structures have an acph of 1.5 as compared to conventional structures with 3-6 acph. Homes built with the Insulspan SIP System can provide significant reduction in air leakage with values of 1.0 acph or lower achievable when installed according to the Insulspan Installation Guide and in combination with other energy-efficient building components. This is a key consideration in the design of energy efficiency structures.

## Sustainability

### What does it mean to be sustainable?

At Insulspan we strive to meet the needs of the present without compromising the ability of future generations to meet their own needs.

We support sustainability principles in the way we manufacture our products. Insulspan has adopted sustainable reporting practices so we can be accountable for our operations.

Building with the Insulspan SIP System offers our customers the opportunity to:

- (1)** Conserve scarce energy resources
- (2)** Reduce operating costs in buildings
- (3)** Reduce harmful green house gas emissions to the atmosphere.

Simply put, the less energy we use in our homes, the less air pollution we generate.



## What customers are saying about Insulspan SIPs

We have owned 10 different homes, all in states with similar weather conditions as Michigan. States like New York, northern Ohio, northern Illinois and Wisconsin. We built our retirement home here in Michigan using Insulspan SIP System on all levels of the home.

Like most people who have not lived in an all SIPs Panel home, we questioned using panels on the lower walk out level. Our experience has been just what we were advised that it would be, the most comfortable lower level that we have ever owned.

We are extremely pleased with our Insulspan home. It is the most comfortable, efficient home that we have owned and since it is our retirement home, that is important to us.

***John and Geri Johansen, Gowen, Michigan***

"We are very happy with Insulspan, and we are confident that our home is top quality because of all the excellent care you gave at every point. You have a very happy customer here!"

***David and Susan Hart***



**Contact Us at:**

**East - 1.800.726.3510    West - 1.866.848.8855**

**To find a dealer near you visit:**

**[www.insulspan.com](http://www.insulspan.com)**

**INSULSPAN**<sup>®</sup>  
STRUCTURAL INSULATING PANEL SYSTEM

**P·F·B**<sup>™</sup>  
CORPORATION  
*Better building ideas*