

# At Insulspan, customer satisfaction is our highest measure of success.

We have received accolades from all over – including awards from the Building Systems Council of the National Association of Home Builders and recognition as the top ten green building product of 2007 by Sustainable Industries magazine – but the ones that mean the most come from our customers across North America. We took our first step toward ultimate customer satisfaction when we opened our doors 30 years ago, and since then Insulspan has led the industry in SIP technology – and in happy customers.

## What is the Insulspan SIP System?

The Insulspan Structural Insulating Panel (SIP) System “sandwich” of performance-rated oriented strand board (OSB) structurally laminated to a continuous core of expanded polystyrene (EPS) insulation allows you to build and insulate your building in one step.

The energy efficiency of buildings built with the Insulspan SIP System out-performs buildings constructed using wood-framed wall and roof systems in three main areas:

- Insulspan SIP wall and roof assemblies contain less dimensional lumber. In wood-framed construction a thermal bridging is created between the exterior of the building and the finished interior when insulation is interrupted by wood studs which also leave more than 20% of the wall area uninsulated. Insulspan SIP wall and roof assemblies provide higher R-values than typical wood-framed construction alternates as there are significantly fewer thermal bridges.
- Higher R-value keeps conditioned air in. The R-value of a wall or roof is a measure of its ability to keep heat from flowing through it. Higher R-value for walls and roof means less heat loss and less energy needed for heating and cooling.
- The Insulspan closed cavity wall and roof design prevents air movement. In wood-framed construction, wall and roof R-value is decreased by insulation gaps around wood framing and by settling of insulation. These defects increase air leakage through the construction. This not only increases energy use, but can lead to condensation on the surfaces of wood components within assemblies. The continuous core of EPS insulation in an Insulspan SIP vastly reduces air leakage and heat loss, while also allowing better control of indoor air quality.

“Part of the advantage of Insulspan products is that they magnify the efficiency of the home. Insulspan SIPs allow us to achieve the airtightness to make the home and the HVAC system work correctly.”

-- Richard Wayne



# INSULSPAN

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# WHY CHOOSE INSULSPAN?



The Insulspan SIP System allows your building design to be converted into clear, easy-to-understand construction drawings. The exacting work of our dedicated team, including engineers, designers and manufacturing personnel, means your Insulspan SIP construction drawings are accurate the first time and panels are precision-cut to exact design specifications in a controlled manufacturing environment. This ensures the integrity of your Insulspan SIP system to eliminate unnecessary cutting on site.




Insulspan's comprehensive system approach to the construction of your structure is what distinguishes us from the competition. Our ultimate goal is your complete satisfaction so we "begin with the end in mind," striving for excellence from design and engineering through to sales and tech support. It's that process and commitment that prompted the editors of Sustainable Industries to declare, "Not all panels are created equal, and Insulspan is the best."




Here's why the Insulspan SIP System will exceed your expectations:

## Superior Energy Efficiency



Heating and cooling account for the largest part of a family's energy use. The Insulspan SIP System provides airtight wall and roof assemblies with higher effective thermal resistance than other construction methods. These properties allow the Insulspan SIP System to work in concert with other energy-efficient building components like windows, doors, and HVAC systems to reduce heat loss from 40 to 60 percent over wood-framed construction.

## Improved Air Quality



The same high-performing building envelope that keeps conditioned air in also keeps pollutants out. Because air cannot move through the SIPs, interior air is free of irritants such as pollen, as well as mold spores that might result from damp conditions inside a wood-framed wall. As a first line of defence, Insulspan SIPs enhance your home's HVAC mechanical system, helping it work more efficiently.

And, the expanded polystyrene foam at the core of Insulspan SIPs is free of HCFCs and HFCs, chemicals released into the air by some other types of insulation.

## Strength, Security, Versatility

The Insulspan SIP system allows design for high wind and snow loads with less structural lumber than wood-framed construction. More design flexibility is possible to address architectural features like vaulted areas and open floor plans

## Quality Commitment

Insulspan has adopted an industry-leading quality management program certified to ISO 9001:2000 that addresses all aspects of our operations from the time your order is placed to shipment to your project. This quality commitment allows us to offer the most comprehensive 20 year limited warranty coverage in the industry that ensures the product delivered to you will maintain structural performance and R-Value you designed into your building.

## Building Code Compliance

The Insulspan SIP System has been evaluated to ensure building code requirements for residential and commercial applications. Test results and evaluations confirm compliance with code requirements for structural design, heat transfer, air leakage and condensation control. Insulspan is currently the only SIP manufacturer in North America that has building code listing reports for their SIP system in both United States (ICC-ES Evaluation Report ESR-1295) and Canada (CCMC Evaluation Report 13016-R). This provides our building owners peace of mind and security when specifying the Insulspan SIP System.

## Ready-to-Assemble Panels

Insulspan offers a ready-to-assemble (RTA) package that allows assembly to start as soon as the SIPs are delivered, instead of spending time customizing them at the job site. Insulspan RTA packages arrive with panels cut to design specifications, openings pre-cut and finished with



window and door bucks, wire chases precut in the panels and, where possible, panel-to-panel connections inserted, all of which saves valuable time and reduces job site waste. Warranty approved fasteners, sealants, and panel sealing tape are also included. On request, Insulspan can also provide a site advisor to train local assembly crews during installation. With experienced installation crews, your Insulspan structure will be fully enclosed and secure in less time than with wood-framed construction.

### Easy to qualify for Energy Star or EnerGuide

Building an energy-efficient structure is a smart investment that will allow you to enjoy lower ownership cost, improved energy performance and the peace of mind that comes with an environmentally responsible choice.

The Insulspan SIP System has been recognized as the best choice in building envelope technology in many green building projects, including the LEED Platinum BASF Demonstration Home, Oak Ridge National Laboratory's ZEBRA Alliance Net Zero Energy Home, the Shirey Zero Energy Idea House, the NYSERDA Energy Efficient Home, the "This Old House" Carlisle Project and the Archetype Sustainable House.

In the US, energy-efficient structures built with Insulspan SIP wall and roof panels can qualify for an Energy Star rating. Visit [www.EnergyStar.gov](http://www.EnergyStar.gov) for more information. The energy-efficient attributes of SIPs are also recognized under ICC 700-2008, the National Green Building Standard developed in partnership by the National Association of Home Builders Association and International Code Council (ICC).

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**"Nine years later we wouldn't do it any other way. I recommend this type of construction to anyone who wants to save substantial money on energy costs."**  
--Bill & Lou McDonald

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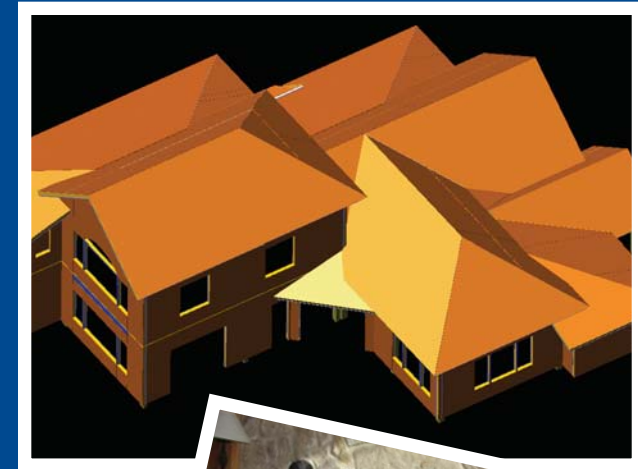
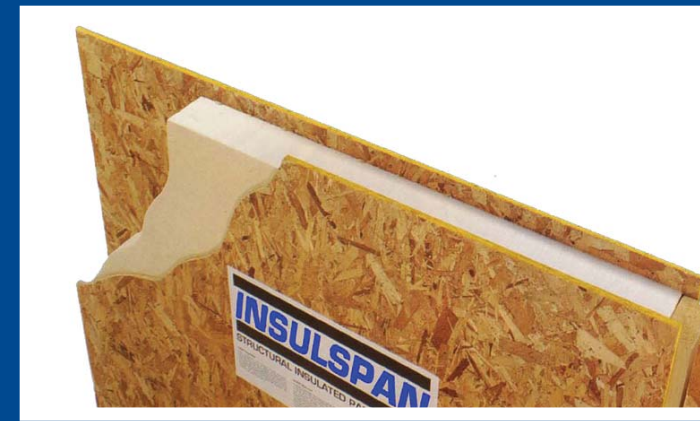
In Canada, the most recognized energy efficiency rating programs for new homes are EnerGuide and R-2000. In addition, BuiltGreen programs available in a number of Canadian provinces recognize SIPs as providing improved energy efficiency over wood-framed construction.

Leadership in Energy and Environmental Design (LEED) promotes a whole-building approach to sustainability by recognizing performance in key areas of human and environmental health. The Insulspan SIP System has been used to build Platinum LEED homes.

Other energy efficiency rating systems may also be available in your area, and rebates for energy efficient construction may be offered. Contact us to learn more.

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**Satisfaction Achieved:**

We look forward to you joining our family of satisfied customers.

Visit [www.insulspan.com](http://www.insulspan.com) to view many project profiles using the Insulspan SIP System.

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“If I had to do it all over again there would be no question in my mind that I would use Insulspan again.”  
--Ryan Barlage

“Some people dream of exotic vacations; we dream of staying home and enjoying our Insulspan lake home.”  
--Tom & Cathy Bloomer

“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 & Susan Hart

There were other SIP manufacturers out there but Insulspan seemed to have the best quality product. Another thing that put Insulspan above some of the rest is that they cut out the window/door openings and put wire chases in the SIP.

This was very helpful as it required no cutting to construct the exterior of the home. It made sense to go with the Insulspan SIP because there is little or no waste during framing and the house is ultimately air tight, which is the one of the main factors in an energy efficient home.

-- Eric Holder



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