

Product Information Bulletin 244

**Insulspan SIP
System LEED for
New Construction**

Product Information Bulletin

Insulspan® SIP System - LEED Canada for New Construction

LEED Canada for New Construction – Point Distribution Information

Material Supplied: The Insulspan® structural insulating panel (SIP) system consists of oriented strand board (OSB) structurally laminated to a core of PlastiSpan® expanded polystyrene (EPS) insulation.

Energy and Atmosphere (EA)

Prerequisite: Minimum Energy Performance

The Insulspan SIP system provides building owners with superior thermal resistance and reduced air leakage.

Credit 1: Optimize Thermal Performance: (Possible 1-19 points)

The Insulspan SIP System is used as a key component in the building envelope to comply to the energy efficiency of the building. Since the closed cell structure of EPS insulation contains only air, its thermal resistance remains constant and contributes toward economically achieving LEED levels of optimized energy performance.

Materials and Resources (MR)

Credit 2 – Construction Waste Management: (Possible 1-2 points)

The Insulspan SIP System allows building designs to be converted into clear, easy-to-understand construction drawings. Insulspan SIPs arrive on site precision-cut to exact design specifications in a controlled manufacturing environment significantly reducing on site waste management requirements. The Insulspan SIP System is available as a ready-to-assemble package with all lumber inserts pre-cut.

Credit 5 – Local/Regional Materials: (Possible 1-2 points)

Insulspan manufacturing plants are strategically located to minimize transportation requirements. PlastiSpan insulation, the core material for the Insulspan SIP system is manufactured in facilities located near Insulspan facilities. Dependent upon building site location, minimized transportation distance may be available as a credit for using a building material that has been manufactured within 500 miles (800 km) of the project site.

Credit 6: Rapidly Renewable Materials: (Possible 1 Point)

The Insulspan SIP system uses oriented strand board (OSB) laminated to an EPS insulation core. OSB is a wood based structural use panel manufactured from wood strands sliced from freshly harvested trees and bonded together using waterproof and heat proof resin binders. The wood strands used come from sustainable self-regenerating forests or plantation/woodlot thinnings.

Innovation in Design

Credit 1 – Innovation in Design: (Possible 1-5 points)

Plasti-Fab EPS insulation products are recognized under the EcoLogo™ Program, a third party certification program for environmentally preferable products. EcoLogo is North America's largest, most respected environmental standard and certification mark. The EcoLogo Program is designed to reduce stress on the environment by encouraging the buying and selling of environmentally preferable products and services. To be certified under the ECP, companies need to demonstrate environmental management. A product is assessed on its total life cycle performance, which includes how a product is made, what it is made with, how it is used, what will happen when it is disposed of and its potential for being recycled. The EcoLogo stamp on Plasti-Fab products recognizes the 'greener' benefits associated with Plasti-Fab products.

(see product listings at http://www.ecologo.org/en/participatingcompanies/details.asp?client_id=151)