

Product Information Bulletin 245

**Advantage ICF
System LEED for
New Construction**

Product Information Bulletin

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Advantage ICF System® - LEED Canada for New Construction

LEED Canada for New Construction – Point Distribution Information

Material Supplied: The Advantage ICF System® is a stay-in-place insulating concrete forming (ICF) system used to construct cast-in-place concrete walls.

Energy and Atmosphere (EA)

Prerequisite: Minimum Energy Performance

The Advantage ICF System with a layer of expanded polystyrene (EPS) insulation on each side of the formed concrete wall provides superior thermal resistance.

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

The higher thermal resistance and reduced air leakage provided by monolithic concrete walls formed by the Advantage ICF System are key attribute required by energy efficiency rating systems.

Materials and Resources (MR)

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

The Advantage ICF System allows building designs to be constructed quickly and accurately using the modular ICF forms. Advantage ICF blocks are moulded in a controlled manufacturing environment significantly and a variety of block types are available to reduce on site waste management requirements.

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

Advantage ICF System manufacturing plants are strategically located to minimize transportation requirements. 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.

Innovation in Design

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

The Advantage ICF System is 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 them.
(see http://www.ecologo.org/en/participatingcompanies/details.asp?client_id=151)