

# Product Information Bulletin 240

## **PlastiSpan and DuroFoam Insulation – LEED Point Distribution**

## Product Information Bulletin

### PlastiSpan® and DuroFoam® Insulation LEED Point Distribution

#### LEED for New Construction – Point Distribution Information

**Material Supplied:** PlastiSpan® and DuroFoam® insulation material – moulded expanded polystyrene (EPS) insulation meeting CAN/ULC-S701, **Standard for Thermal Insulation, Polystyrene, Boards and Pipe Covering** and ASTM C578, **Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation.**

#### Energy and Atmosphere (EA)

**Prerequisite: Minimum Energy Performance**

The thermal resistance (RSI/R-value) of EPS insulation does not decrease with time; the constant thermal performance of EPS insulation will assist in meeting and exceeding energy consumption targets.

**Credit: Optimize Thermal Performance:**

EPS insulation contributes 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: Construction Waste Management:**

In most cases, PlastiSpan insulation is ordered in specific quantities for the project. For example, PlastiSpan sloped roof insulation is supplied pre-cut to satisfy roof drainage requirements. Plasti-Fab will accept scrap product back from customers providing the scrap product is without contamination.

**Credit: Local/Regional Materials:**

Because of its light weight, use of EPS reduces fuel consumption during transportation - less weight to move means less fuel used. PlastiSpan insulation is manufactured in Plasti-Fab facilities strategically located to minimize transportation requirements so for most projects a credit can be obtained for using a building material that has been manufactured within 800 km (500 miles) of the project site.

Plasti-Fab EPS manufacturing plants are located in:

- |                  |                 |
|------------------|-----------------|
| - Delta, BC      | - Kitchener, ON |
| - Crossfield, AB | - Ajax, ON      |
| - Saskatoon, SK  | - Lebanon, OH   |
| - Winnipeg, MB   |                 |

#### Innovation in Design

**Credit: 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 managed by UL Environment. 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](http://www.ecologo.org/en/participatingcompanies/details.asp?client_id=151))