

Product Information Bulletin

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PlastiSpan Insulation and LEED Point Distribution

LEED Point Distribution Information						
<p>Material Supplied: PlastiSpan insulation material – moulded expanded polystyrene (EPS) insulation meeting CAN/ULC-S701, type 1, 2 or 3.</p>						
<p>Energy and Atmosphere</p> <p>Prerequisite 2: Minimum Energy Performance EPS insulation is the only rigid foam plastic insulation whose thermal resistance (R-Value) does not decrease with time; the constant thermal performance of EPS insulation will assist in meeting energy consumption targets relative to Natural Resources Canada's Commercial Building Incentive Program (CBIP) goals.</p> <p>Credit 1: 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 one of the LEED levels of optimized energy performance.</p> <p>Credit 4: Ozone Depletion The manufacture of EPS insulation poses no threat to the ozone layer. Pentane, the blowing agent used in EPS insulation manufacture, has zero ozone-depletion potential. The amount of pentane released during manufacture is only about 0.2 percent of the total man-made emissions of volatile organic compounds (VOC's). Pentane has a low stability and under the influence of humidity and atmospheric radiation (especially UV light) it is quickly converted into carbon dioxide and water. Because of its low stability, it cannot reach the higher (stratospheric) atmospheric levels and therefore does not contribute to ozone depletion (unlike chlorinated blowing agents such as CFC's and HCFC's). Additionally pentane does not contribute directly to the "greenhouse" effect.</p>						
<p>Materials & Resources</p> <p>Credit 2: 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. As well, Plasti-Fab will accept scrap product back that it has supplied to a customer providing the product is without contamination.</p> <p>Credit 5.1: 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 of the project site.</p> <p>Plasti-Fab EPS moulding plants are located in:</p> <table border="0"> <tr> <td>- Delta, BC</td> <td>- Winnipeg, MB</td> </tr> <tr> <td>- Crossfield, AB</td> <td>- Kitchener, ON</td> </tr> <tr> <td>- Saskatoon, SK</td> <td>- Ajax, ON</td> </tr> </table>	- Delta, BC	- Winnipeg, MB	- Crossfield, AB	- Kitchener, ON	- Saskatoon, SK	- Ajax, ON
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<p>Innovation & Design Credit</p> <p>Credit 1: Innovation in Design: PlastiSpan insulation is the only preformed rigid foam plastic insulation to be recognized by the Environmental Choice[™] Program (ECP), Environment Canada's ecolabelling program. The ECP 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.</p>						