

Polyurethane Insulation for Sustainable, Green Buildings

- Reduces demand for fossil fuel-based energy used to heat/cool buildings
- Reduces harmful greenhouse gases associated with production and transportation of these fuels
- Offers a solution to real concerns of fossil fuel scarcity and energy security

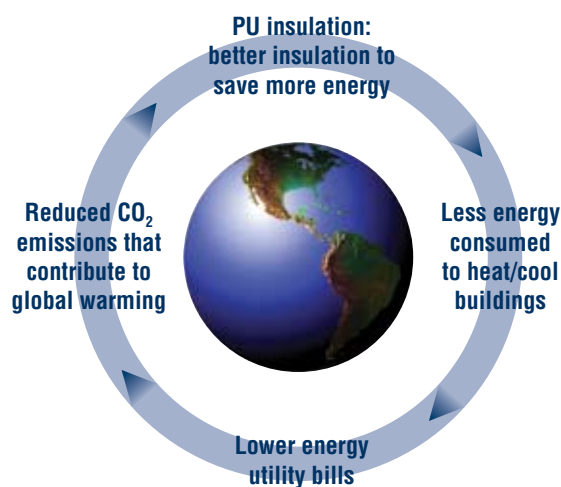
Insulation is the single, most cost-effective measure to reduce greenhouse gases¹

Polyurethane insulation products in residential and commercial buildings

- Help meet advanced energy codes, e.g. Ashrae 90.1
- Contribute towards green building certifications, e.g. LEED®²

1. "Reducing Greenhouse Gas Emissions: How Much And at What Cost?" McKinsey, December 2007.

2. (Leadership in Energy and Environmental Design) Green Building Rating System is the nationally accepted benchmark for the design, construction, and operation of high performance green buildings. 'LEED' and related logo is a trademark owned by the U.S. Green Building Council and is used by permission.



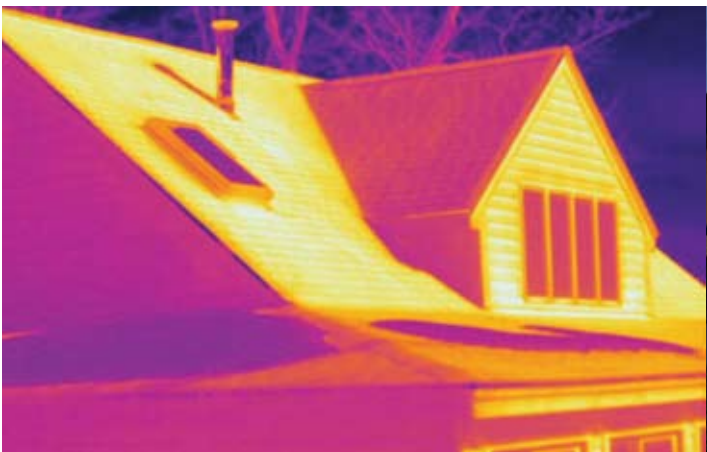
PU insulation contributes towards green certification

Programs, e.g. LEED® and Green Globes and the NAHB National Green Building Standard. Credits are typically obtained in the following sections:

- energy and atmosphere
- sustainable sites
- material and resource
- indoor environmental quality
- innovation in design

The ratio of carbon dioxide emissions saved by foam plastics used as building insulation, compared to the carbon dioxide emissions used to produce foam plastics: 233:1

Source: McKinsey; "Innovations for Greenhouse Gas Emissions Reduction", 2009



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