

## LEED CERTIFICATION

(Leadership in Energy & Environmental Design)

The following is intended to show how Premium Spray Products Foamsulate-Eco™ can be incorporated into a project in order to achieve LEED credits.

Please consult with the LEED Accredited Professional on your project to determine if Foamsulate-Eco™ can be used to gain additional LEED credits.

### LEED Credit Category – Energy & Atmosphere

#### **Prerequisite 2 – Minimum Energy Performance**

Requires the building to comply with ASHRAE/IESNA Standard 90.1 -2004 or the local energy code, whichever is more stringent.

- ✓ When Foamsulate-Eco™ is installed into a structure; the foam insulation provides an insulation barrier that controls air movement, moisture and thereby increases thermal performance by estimates as high as 40%.

#### **Credit 1 – Optimize Energy Performance**

Requires a reduction in design energy cost compared to the energy cost budget.

- ✓ When Foamsulate-Eco™ is installed into your structure; it provides the building with a sealed envelope, allowing the designer to downsize HVAC systems. When Foamsulate-Eco™ is used with a whole building concept; it can help achieve the 10 possible points.

### LEED Credit Category – Materials & Resources

#### **Credit 2 – Construction Waste Management**

Requires recycling and/or salvaging construction, demolition and land clearing waste.

- ✓ Foamsulate-Eco™ Insulation is installed exclusively by licensed Foamsulate-Eco™ Installers who can apply only what is needed in each area which means very minimal waste. Foamsulate-Eco™ contributes a significantly lower amount of waste materials by weight, helping reach the 50% to 75% target for diverting waste from the landfill.

#### **Credit 5.1–5.2 – Regional Materials**

Requires use of building materials and products that are manufactured regionally within a radius of 500 miles of the project site.

- ✓ Foamsulate-Eco™ liquid components are combined and blended at the production facility in Atlanta Georgia. The final in place insulation product is manufactured on jobsite by Licensed Foamsulate-Eco™ Installers.

#### **Credit 6 – Rapidly Renewable Materials**

Requires use of rapidly renewable products and materials (made from plants harvested within a ten-year cycle or shorter) for 2.5% of the total value of all building materials and products used in the project.

- ✓ Foamsulate-Eco™ utilizes many components including renewable soya, corn oil, sugar beet and castor oil which are all classified as rapidly renewable products. Depending on the volume used in the structure being insulated, Foamsulate-Eco™ can contribute a significant portion of the required 2.5% of rapidly renewable products and materials.

LEED Information

## **LEED Credit Category – Indoor Environmental Quality**

### **Credit 4.1 – Low Emitting Materials: Adhesives & Sealants**

Reduce the concentration of indoor air contaminants that are odorous, irritating and/or harmful to the comfort and well-being of installers and occupants.

- ✓ Foamsulate-Eco™ requires VOC testing as part of the CAN/ULC 705.1 standard and CCMC listing process. The independent lab conducting the VOC tests found that within 1 hour of application there was no significant off gassing or VOC's. This test confirms that Foamsulate-Eco™ falls below the 50 g/L VOC limit that is set for cellular plastic foams. Foamsulate-Eco™ contains no VOCs and does not off-gas.

### **Credit 7.1 – Thermal Comfort**

Requires a thermally comfortable environment and supports the productivity and well being of building occupants.

- ✓ Foamsulate-Eco™ can help a building comply with ASHRAE Standard 55-2004 by insulating and air sealing the building, which allows for controlled ventilation strategies that enhance uniform temperatures, moisture control and reduction of pollutants.

## **LEED Credit Category – Innovation & Design Process**

### **Credit 1 – Innovation in Design**

Provides design teams and projects with an opportunity to be awarded points for exceptional performance above the requirements set by the LEED Green Building Rating System and/or innovative performance in Green Building categories not specifically addressed by the LEED Green Building Rating System.

- ✓ Foamsulate-Eco™ high performance characteristics and flexible installation procedures contribute to this credit in several ways. Foamsulate-Eco™ allows easy installation in areas that would normally pose challenges with the installation of conventional insulation products. Foamsulate-Eco™ products are guaranteed to perform to the Foamsulate-Eco™ stated specifications for the life of the structure.

LEED is a third-party certification program and an internationally accepted benchmark for the design, construction and operation of high performance green buildings. It provides building owners and operators the tools they need to have an immediate and measurable impact on their buildings' performance.

LEED Information



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