

ENVIRONMENTAL CERTIFICATIONS

The Insulfoam Advantage

- Nine strategically placed nationwide manufacturing facilities
- Exclusive focus on construction, roofing and geofoam applications
- Leaders in new product development and code approvals
- Unmatched breadth of insulation construction product offerings
- Customer service driven, job ready sizes without extra lead time

Environmental Credentialing

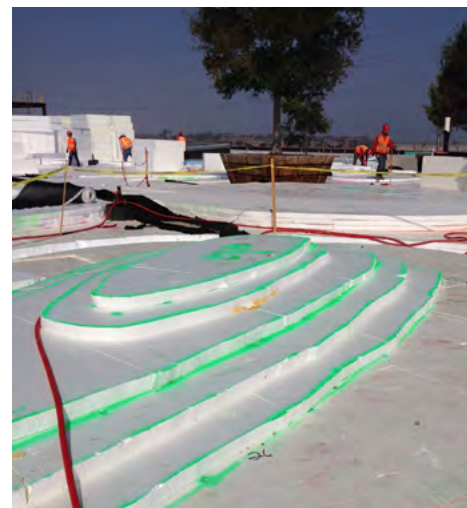
- Contributes significantly to LEED (USGBC) certification credit
- Compliant with the NAHB/ANSI National Green Building Standard
- Energy Star approved R-Tech products
- Compliant with ASHRAE standards
- Title 24 (California's Stringent Standards) Compliant

Insulfoam Insulation Environmental Attributes

- 100% Recyclable
- Manufactured using post-consumer and post-industrial materials
- Free of HCFCs, dyes, and formaldehyde
- Raw material is expanded with steam and air, rather than chemicals
- Insect and mold resistant

Applications

- Roof Systems: New construction & retrofit
- Wall Systems: Interior & exterior
- Below Grade & Underslab
- Geofoam: Lightweight void fill
- Exterior Insulation & Finish Systems (EIFS)
- Specialty Shapes & OEM Applications
- Structural Insulated Panels: Framing & Enclosures





The U.S. Green Building Council (USGBC) has developed a nationally accepted system to rate the design, construction and operation of buildings. The USGBC's Leadership in Energy and Environmental Design (LEED) is a standard that recognizes the life-cycle cost of construction and helps to guide and distinguish high-performance commercial and institutional projects. The LEED rating system allows designers and building owners to acquire credits by meeting certain conditions pertaining to the use of sustainable, energy-efficient and environmentally-friendly products and systems. Buildings can become LEED Certified by achieving certain point levels. There are four levels of certification. The following are categories and descriptions where Insulfoam products may assist in achieving LEED credits.

MATERIALS & RESOURCES (MR CREDITS)

MR Credit 2.1 & 2.2 - Construction Waste Management. Divert 50% or 75% From Disposal (2 points possible)

Purpose: Recycle and/or salvage at least 50% (1 point) or 75% (2 points) of non-hazardous construction and demolition debris. Insulfoam can receive and reuse uncontaminated polystyrene removed from rehabilitated buildings and the scrap generated on new construction projects.

MR Credit 3.1 & 3.2 - Materials Reuse: 5% or 10% (2 points possible)

Purpose: Use salvaged, refurbished or reused materials so the sum of these materials, based on cost, constitutes at least 5% (1 point) or 10% (2 points) of the total value of materials on the project to reduce demand for virgin material and minimizing generation of waste. Insulfoam Roof Insulation is suitable for an often reused in new roof systems at the end of the original roof system's life.

MR Credit 4.1 & 4.2 - Recycled Content 10% or 20% (2 points possible)

Purpose: Increase demand for building products that incorporate recycled content of at least 10% (1 point) or 20% (2 points), thereby reducing impacts resulting from extraction and processing of virgin materials. Insulfoam can provide product suitable for use in several different construction applications with up to a 25% pre-consumer recycled content.

MR Credit 5.1 & 5.2 - Regional Materials (2 points possible - 1 point for 10% & 2 points for 20%)

Purpose: Increase demand for building materials and products that are extracted and manufactured within the region, thereby supporting the use of indigenous resources and reducing the environmental impacts resulting from transportation. If only a fraction of a product or materials is extracted/harvested/recovered and manufactured locally, then only that percentage (by weight) shall contribute to the regional value. From some of its locations,

Insulfoam can provide products that include only components extracted, harvested or recovered, as well as manufactured, within 500 miles of the project site for a minimum of 10% (based on cost) of the total materials value

SUSTAINABLE SITE (SS CREDITS)

SS Credit 7.2 - Heat Island Effect: Roof (1 point possible)

Purpose: Reduce heat islands to minimize impact on micro-climate and habitat. The credit requires the use of a reflective roofing material or the use of a roof garden. Although this credit does not relate solely to insulation, Insulfoam insulation can be used in roof systems with reflective membranes and in garden roof assemblies to help reduce the urban heat island effect.

ENERGY & ATMOSPHERE (EA CREDITS)

EA Credit 1- Optimize energy Performance (10 points possible)

Purpose: Reduce the negative environment impact resulting from excessive energy use by demonstrating a measurable improvement in the building performance rating compared to the baseline building performance rating per ASHRAE/IESNA Standard 90.1-2004 (without amendments). This credit encompasses the entire building. An increase in the R-Value of the Insulfoam insulations used in the roof, wall and below-grade systems of a project would contribute to this credit.

EA Credit 5- Measurement & Verification (1 point possible)

Purpose: Provide for the ongoing accountability of building energy consumption over time by developing and implementing a Measurement & Verification Plan. Although this credit does not relate solely to insulation, proper R-Value provided by the Insulfoam products will contribute to the overall energy savings and the subsequent account of building energy consumption.

To access the Green Building Rating System for New Construction and Renovations, visit www.usgbc.org.