# *Let Sarnafil Make Roofing Your Easiest Point*

Sarnafil is the preferred roofing and waterproofing choice of designers seeking LEED certification. Here are a few reasons why:

**• LEED Qualifying**
A Sarnafil roofing or green roof system can earn you one easy point towards certification. In some instances, it can earn even more!

**• Experienced LEED Technical Staff**
When you need help choosing the right roofing or waterproofing system, turn to Sarnafil's team of experienced LEED professionals. They have provided advice and design assistance on over 20 LEED projects – one Gold and one Platinum certified!

**• Life Cycle**
For building owners, a long-lasting, proven roof system is essential. Many Sarnafil roofs are still performing today after more than 20 years under a wide range of weather conditions.

**• Authorized Applicators**
Choosing Sarnafil ensures your building's roof is installed with precision. Only a select group of skilled contractors are permitted to install Sarnafil.

**• Proven Performance**
With more than 40 years of proven performance history, you'll have peace of mind knowing you've chosen the highest quality, energy efficient roofing system available today.

**• Design Flexibility**
Sarnafil offers a choice of colors and options, including Décor Roof Systems that provide the appearance of metal with better watertight performance.

**• Long-term Energy Performance**
Sarnafil is the only membrane manufactured with a factory applied acrylic coating that protects the surface and maximizes long-term reflectivity.

**• Meets ENERGY STAR® Standards**
Sarnafil's white, reflective EnergySmart roof meets the standards of the ENERGY STAR program. Sarnafil remains the only single-ply membrane manufacturer in this program with a 40 year history of proven performance.

## About Sarnafil

Since 1964, more than 3.5 billion square feet of membrane has been successfully installed on buildings around the world under a wide range of weather conditions. Architects, designers and building owners choose Sarnafil because of its proven performance history and unwavering commitment to quality. It's security and peace of mind knowing you've chosen the best systems for your roofing and waterproofing needs.

For more information about Sarnafil and how we can help your project qualify for LEED certification, call our technical sales team today at 1-800-576-2358.


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# *Roofing – An Important Point For LEED™ Certification*

The U.S. Green Building Council (USGBC) created LEED with the goal of encouraging the use of established or advanced environmental principles, practices, materials and standards in commercial building projects. LEED standards have been developed for the following building areas: new commercial construction and major renovation projects (LEED-NC), existing building operations (LEED-EB), commercial interiors projects (LEED-CI), core and shell projects (LEED-CS), and homes (LEED-H).

Whether your project is new construction or renovation, energy efficient roofing is an important point to consider – and Sarnafil makes it easy.

With over 40 years experience providing high quality, proven performance roofing and waterproofing systems combined with the knowledge gained from working on more than 20 LEED buildings, Sarnafil is uniquely qualified to help you with your roofing needs.

***PLATINUM CERTIFIED***

**The Donald Bren School of Environmental Science and Management**
University of California at Santa Barbara
**Architect:** Zimmer Gunsul Frasca
**Roofing Applicator:** Anning-Johnson Company, City of Industry, CA
**Completed:** 2002
**Roof System:** Sarnafil EnergySmart® G410 Adhered

**Sarnafil**

*With over 100 LEED certified and 1,200 LEED registered projects, there is clearly a trend toward creating high performance buildings. For building owners, the potential payback comes in many forms: positive public relations, government and industry incentives, reduced employee absenteeism, quality control, reduced environmental impact, and improved building standards for the future, to name a few.*

# High Performance Buildings Topped By Sarnafil

***Herman Miller SQA Subsidiary Known as "The Green House," Holland, MI***

## Sarnafil's EnergySmart Roof® Plays A Role

Reflective roofing, such as Sarnafil's EnergySmart Roof®, or a vegetated roof using a Sarnafil Green Roof System, meets the design criteria for one point under Sustainable Sites Credit 7: *Heat Island Effect: Roof, Req. 2, which states: "Use ENERGY STAR compliant (highly reflective) AND high emissivity roofing (emissivity of at least 0.9 when tested in accordance with ASTM 408) for a minimum of 75% of the roof surface; OR install a "green" (vegetated) roof for at least 50% of the roof area. Combinations of high albedo and vegetated roof can be used providing they collectively cover 75% of the total roof area."*


***Chicago City Hall Green Roof***

## Waterproofing for Green Roofs

Green roofs are roof systems that incorporate vegetation on top of the roof assembly with the added advantages of storm water runoff control, increased waterproofing membrane life, sound insulation and aesthetic appeal.

Sarnafil's durable waterproofing membrane is specially designed to remain watertight in extreme conditions, such as those possible under a vegetated roof. Constant dampness, ponding water, exposure to plant roots, as well as fungi and bacterial organisms can seriously affect a waterproofing system's integrity. That's why architects, specifiers and building owners depend on Sarnafil's proven performance.

## Proven Performance

Architects, specifiers and building owners who want the peace of mind that comes with knowing they've chosen the most reliable, energy efficient roofing or waterproofing system choose Sarnafil. But don't just take our word for it – here is a sample of how other organizations view Sarnafil:

**U.S. EPA** – chose Sarnafil as a Charter Partner in their ENERGY STAR® Roof Products program which focuses on promoting the environmental and economic benefits of reflective roofing.

**Lawrence Berkeley Laboratory** – conducted a two-year scientific study on the benefits of replacing a black EPDM roof on a 100,000 square foot retail building in Austin Texas with a Sarnafil EnergySmart roof. The conclusion is clear: peak summertime air conditioning was reduced by 14 percent.[1]

**U.S. Department of Energy** – awarded Sarnafil *"2004 Premier Business Partner"* for its dedication to and successes in helping communities save energy as part of their Rebuild America program.

## What is LEED™?

LEED, an acronym for "Leadership in Energy and Environmental Design," is an independent, third party rating system developed by the U.S. Green Building Council (USGBC) that provides building designers and owners with a standard for measuring a building's degree of environmental performance. LEED buildings must include dozens of environmental features before being certified – with a corresponding point system based on these attributes.

A total of 64 points are possible on the LEED scale, spread out among five broad categories covering global and local environmental issues. Five additional points are possible for innovative design strategies not specifically covered by the five categories.

**There are four levels of achievement: a minimum of 26 points is needed to become LEED "Certified"; a minimum of 33 points for Silver; 39 for Gold; and 52 for Platinum.**

[1] S. Konapacki and H. Akbari, 2001, Lawrence Berkeley Laboratory Report LBNL-47149, Berkeley, CA.

Sarnafil

*Knowledgeable technical representatives, valuable LEED experience, and an energy efficient membrane make Sarnafil the best choice for architects, specifiers and building owners seeking to create their own high performance building.*

# *Take Advantage of Sarnafil's LEED Experience*

As you begin to design or specify your next high performance building, count on the expertise of Sarnafil. With eleven LEED certified projects completed and more than 25 in design and construction, Sarnafil's technical representatives have the practical experience needed to help you with your roofing decisions.

## LEED Project Experience

To earn a point from roofing, LEED criteria call for either a reflective membrane or a vegetated "green" roof. Five of the LEED certified buildings that took advantage of Sarnafil's high quality, energy efficient roofing and waterproofing systems are highlighted here.

***The Donald Bren Center, Santa Barbara, CA***
***Architect: Zimmer Gunsul Frasca***

**The Donald Bren Center for Environmental Studies and Management** is a modern environmental laboratory and classroom at the University of California at Santa Barbara. This building combines energy efficient materials and state-of-the-art building systems that significantly exceed California's title 24 design criteria. By encompassing so many environmentally friendly attributes, the Donald Bren Center is one of only two LEED **Platinum level** rated buildings in the United States – the USGBC's highest green building rating.

***Hewlett Foundation, Menlo Park, CA***
***Architect: B.H. Bocook***

**The William and Flora Hewlett Foundation,** located in Menlo Park, California is a **Gold level** LEED certified building that chose Sarnafil's waterproofing system for its courtyard atrium. Creating an energy-efficient, high performance building fit perfectly with their social and environmental mission.

As a testament to its sustainable design, the **Olympic Oval Speed Skating Arena** was one of the first 12 LEED certified buildings in the United States. It also boasts the fastest ice in the world, due in part to its unique external suspension-bridge design. The roof plays an important role both from an energy savings standpoint and a spectator's point of view.


***Olympic Oval, Salt Lake City, UT***
***Architect: Gilles Stransky Brems Smith***

Nothing represents high performance like a quality made car. That's why the **Premier Automotive Group's** Leed certified building – the North American headquarters for Ford Motor Company's Jaguar, Volvo, Land Rover and Lincoln brands – chose the best technology available for their new building. The 60,000 square foot green roof helps make it one of southern California's most energy efficient, high performance buildings.

***Premier Automotive Group, Irvine, CA***
***North American Headquarters***
***Architect: LPA Architects***

**The National Geographic Society Headquarters** in Washington, DC is the first existing building to complete certification under the LEED-EB rating system. The project earned a Silver rating. Sarnafil's EnergySmart Roof® was chosen to replace the black rubber EPDM roof, earning this well-known organization recognition for its continued dedication to the environment.

**From clear specifications to final roof system installation, Sarnafil can help ensure your high performance building meets LEED roofing criteria.**

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