



CONGRESS ASSOCIATES, LLC

Your Resource for a Sustainable Future

Products · Services · Sustainability

Newsletter

Sustainable Product Focus & Industry News

USGBC LEED Updates



The LEED (Leadership in Energy & Environmental Design) Green Building Rating System for New Construction (LEED-NC Version 2.0) was first published in 1999. The LEED rating system was developed by the [U.S. Green Building Council \(USGBC\)](http://www.usgbc.org) to promote buildings that are not only environmentally responsible in their design, but sustainable, profitable in their operation and healthy to live and work in.



Building owners and design teams not only receive peer recognition for their green building efforts, LEED buildings may qualify for government incentives. A LEED project is rated and subsequently classified through a registration process

and ultimately, ranked by a point total based upon compliance with the rating system. To access information regarding LEED certification go to www.usgbc.org.

LEED Rating System Development

On August 1st, the [U.S. Green Building Council \(USGBC\)](http://www.usgbc.org) opened the second public comment period for the proposed update to its LEED green building rating system, coined **LEED 2012**. The comment period, which will close on September 14, 2011, is the next step in the continuous improvement process and on-going development of the LEED program. Members of the public can comment on current drafts go to [free member webcasts](#) detailing the changes.

About Siplastgreen Products

[Siplast](#) has been engineering products for green roof systems since the late 1970s. Today, we offer a range of systems that can help you meet the environmental initiatives that are becoming more common. [Siplastgreen](#) products we offer include:



- Teranap waterproofing for green roof systems.
- Siplast Paradiene Cool Roof (CR) membranes.
- Siplast Lightweight Insulating Concrete Systems.

Siplast Cool Roof Systems

Paradiene CR Reflective

Paradiene is one of several Siplast solutions for cool roofing applications. [Paradiene CR](#) is a SBS-modified bitumen finish ply surfaced with reflective white synthetic chips that is California Title 24 Part 6 compliant, meets the requirements of the U.S. Energy Star program, and qualifies for LEED credit for reflectance and emittance. Paradiene CR finish plies are used with Paradiene 20 base plies to create a high performance two-ply system.

Click [here](#) to learn more about Siplast products and Cool Roof options.



Daylighting - Solar Light With DayLighter®



Save money on energy costs & reduce worker-related accidents by using the Industrial Solar Roof Light Technology by [DayLighter](#) for your building.

DayLighter® allows you to:

- Turn off lights and provide cool, diffused natural light
- Save thousands by dramatically reducing energy demand
- Create a safe workplace with uninterrupted daylight
- Qualify buildings for tax deduction by reducing energy consumption by 50%.

The installation and utilization of the DayLighter products are a key part of reaching energy saving goals and earning you real tax benefits, while helping the environment.



FiberTite Roofing Membranes

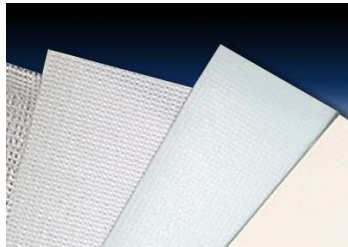


To be considered compliant with the LEED rating system, an SRI of 78 or greater is required for low slope roofing systems ($\leq 2:12$). FiberTite® beige and white roofing membranes greatly exceed this requirement. Visit the [FiberTite](#) web site to learn more about roofing products that meet LEED rating requirements.

Why Select FiberTite Roofing Membranes over other roofing products?

FiberTite is a unique DuPont™ Elvaloy® (Ketone Ethylene Ester - KEE) based roofing system that was invented over a quarter century ago. Today, over 99% of FiberTite roofs ever installed are still performing.

- FiberTite roofing membranes start with the industry's heaviest base fabric. Add to that the proprietary knit design, and you've got roofing systems with superior puncture and tear resistance.
- FiberTite's proprietary formula includes the industry's highest KEE content, allowing the roofing membranes to maintain excellent flexibility, as well as chemical and UV resistance.
- FiberTite is the only roofing membrane that exceeds the new ASTM D6754-02 standard for Elvaloy KEE Content



Rooftop Photovoltaics Considerations

Increasingly, roofs are being used as more than the waterproofing element of the building envelope. The push toward green and sustainable building practices has led



design professionals to look at roofs as opportune space for renewable energy sources such as photovoltaics (PV). PV systems can offer benefits to both the environment and the building owner.

There are several suppliers and designs of roof-mounted PV systems, but there are two basic varieties: building-integrated photovoltaics (BIPV) and rack-mounted PV. BIPV systems are flexible and are typically adhered directly to the roof membrane via a self-stick backing. Rack-mounted PV systems are rigid panel systems that are mounted on mechanical supports so that the panels do not make direct contact with the roof membrane surface. The ultimate failure mode of most roof membrane types is chemical breakdown caused by heat combined with oxygen, whether the failure occurs with the membrane itself or the bonding adhesives used to seam the membrane. It is understood that high membrane temperatures accelerate the aging process.

New Wind Uplift Design Standard Approved

Updated Standards for Green Roofs

[Green Roofs for Healthy Cities](#) (GRHC), the green roof and wall industry association, and Single Ply Roofing Institute (SPRI), Inc., the trade association representing the manufacturers of commercial roofing systems and component suppliers, announced that the [American National Standards Institute](#) (ANSI) has accepted RP14 Wind Design Standard for Vegetative Roofing Systems as an American National Standard.

This document was created to provide a design and installation reference for green roofing professionals to help eliminate the risk of wind uplift on vegetative green roofs in high wind areas.

The RP-14 Wind Design Guideline combines established design principles of conventional roofing systems with the wind tunnel testing to set minimum requirements aimed toward reducing the risk of wind damage to vegetative green roof systems.

Rooftop gardens originated in Europe centuries ago and while Architect Frank Lloyd Wright experimented with them in the early 1900s, it wasn't until the 1980s that rooftop gardens became a cost-effective roofing option.



Also known as green roofs, these sustainable roof installations enrich the visual landscape and provide tremendous benefits to the environment.

US Department of Energy

Learn more about the energy programs the [US Department of Energy](#) and what your organization can do to take advantage.

Energy Star

Additional information regarding Federal tax credits for energy efficiency can be found on the Energy Star website. [Read more.](#)

Visit us at www.congressassociates.com for more information on sustainable products and our service offerings.

Follow us on [Facebook](#).

