



Photo shows Prairie Green Roof System in Foreground with Solar Panels on Right and Small Scale Wind Turbines on Left

ERSystems and Prairie Technologies Win NRCA's 2005 Excellence in Design Award

The award was presented during the 118th Annual International Roofing Exposition in Orlando on February 16th. The award honors energy efficient and environmentally friendly roof systems designed according to accepted industry practices and expected to have very long service lives. A panel of roofing industry experts chose the winner from over 50 entries.

The ERSystems and Prairie Technologies 50,000 ft² corporate headquarters and manufacturing facility is registered with the U.S. Green Building Council's Leadership in Energy and Environmental Design Program (LEED). The roof system was designed as an integrated building asset and features the following roof system technologies:

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ERSystems New Logo and Improved Website

ERSystems has introduced a new modern logo with its improved website. The website libraries the most recent versions of product literature including: data sheets, sample systems specifications, product MSDS, and systems brochures. Also available on the website are recent presentations and published data generated by recent ERSYSTEMS research.



The new website also offers a direct link to our roof in Rockford, MN. Through this link you can view a live webcam showing our garden roof, photovoltaics (solar panels) and our small scale wind turbines. In addition, live weather data is also available including rooftop temperatures, wind speed, humidity, solar intensity and rainfall. All of this can be found at www.ersystems.com and www.prairie-tech.com.

ERSystems roof coatings were used to restore over 16.5 million square feet of roofing in 2004. Without restoration many of these roofs would have failed resulting in well over 32 million pounds of waste that would have entered landfills.

Over 90% of these roofs used Energy Star certified coatings resulting in lower roof temperatures and additional energy savings.

ERSystems Coatings Restore over 16.5 million Square Feet of Roofing in 2004



Photo of EPDM Restoration (in progress) with EG1000 Acrylic on the left and Smooth Modified Asphalt Restoration Combining Erathane Ultra Water Based Polyurethane and ERLASTIC Acrylic on the right

RCI Region III Meeting Hosted at ERSystems

The Roof Consultants Institute Region III meeting was held at ERSystems headquarters in early June. Presentation topics included LEED-EB, roof restoration with coatings, foam industry status, a summary of the MWRCA coatings testing and finished with a tour of ERSystems production area and rooftop.

Look for these Upcoming Events

- ERSystems **open-house** in Mid August—look for mailings
- **FRSA Show** (Florida) July 21-23
- **Contractor training seminars** through the fall and winter months—look for mailings and advertisements
- **GreenBuild Show** (Atlanta) November

If you have spent any time analyzing the building industry in the last year, you know that “green” is **the** hot topic. Everything from corn to soy, GreenBuild to Ecobuild, Cool Modifieds to Cool Metal, Green Spec to Green Pages is out there. How do you know what’s real?

The reality is that whether you are an architect, contractor, building owner, or consultant, pick suppliers that are reputable and are experienced with your application. If a product seems too good to be true, ask more questions and request data that supports the durability of the product. There is no magic in a can (or a drum!).

I am often asked at tradeshow if we have coatings that use agricultural derivatives. We are experimenting with a variety of “natural” and recycled raw materials, but at ERSystems we don’t introduce “me too” products that have not been tested over time. We have spent the last 12 years building a reputation for quality products that we will not compromise. That being said, we are working on and researching new products that are based on green principals and also perform at least as well as existing technology.

You will also be seeing several new product introductions from ERSystems this summer. Although these products may not use plant oils, each new product is a solution to a specific challenge and works toward making roofs last longer.

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- 25% of the rainwater from the roof is captured and reused for landscape irrigation.
- A 5,000 ft² Prairie Garden Roof sits in the center of 25,000 ft² of Energy Star certified white CPA roofing membrane.
- The remainder of the roof is EPDM membrane coated with ERSystems Energy Star certified highly reflective Eraguard 1000 acrylic coating.
- A 5kW solar array is positioned at the center of the building.
- A mini wind farm consisting of 6 rooftop wind turbines generates 2.4kW.
- Both the solar and wind systems are tied to the electrical grid and are net metered.
- A weather station with live web cam is at the south end of the building (ersystems.com or prairie-tech.com).



ERSystems Rooftop with Solar Panels and Wind Turbines

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Hot Roofs...Cool Solutions® with ERSystems Cool Roof Coatings!