

EXCEPTIONAL PRODUCTS. UNSURPASSED SERVICE.



RUSKIN[®]
GO GREEN  *GO RUSKIN*



Participating in the **Green movement**
and becoming members of organizations like
USGBC and the EPA's **Energy Star**
is more than symbolic. It requires a
long-term commitment in both
people and financial resources. We understand
the breadth of this commitment and the end result
of **preserving the environment**
for future generations is well worth it.



Tom Edwards
President

RUSKIN®

UNDERSTANDING THE GREEN OBJECTIVE

The U.S. Green Building Council (USGBC) states the goal of green buildings is to “transform the way buildings and communities are designed, built and operated, enabling an environmentally and socially responsible, healthy, and prosperous environment that improves the quality of life.”

Our lives revolve around buildings. They are our homes, our work places, and our shopping malls. We know that buildings consume energy and electricity. The difficult task when using an integrated, whole-building approach in designing a “Green” building lies in balancing energy savings while maintaining a healthy environment.

The most energy efficient buildings may lack the required outside air ventilation and therefore inhibit the quality of the indoor environment. Likewise, a complete natural ventilation system may lack the psychrometrics necessary for comprehensive indoor comfort. LEED 2009 Edition addresses this balance for New Construction, Core & Shell and Schools.

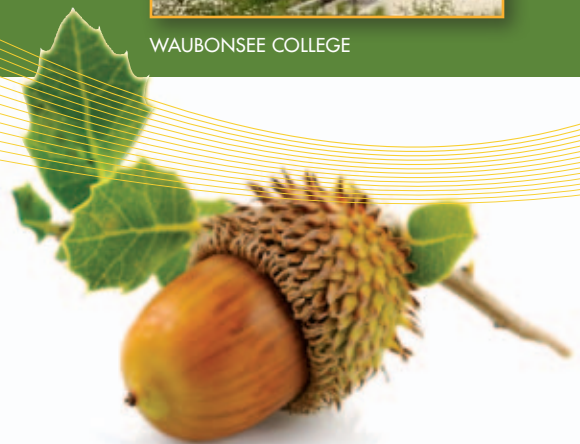
Why LEED? Research has shown that...

- People living in or near parks and other green spaces have found statistically fewer health problems in comparison to people with little or no access to the natural environment.
- In office settings, natural lighting and ventilation improves the quality of work and reduces stress.
- Views of nature and enhanced daylighting have improved cognitive performance on tasks requiring concentration and memory.
- Additionally, research in schools with enhanced natural lighting and ventilation has found higher test scores, improved attendance, and greater teacher satisfaction, retention, and productivity.

High performance buildings require high performance products. Every Ruskin Green product is AMCA Certified or fully tested in our AMCA Accredited laboratory. From Ruskin Sunshades reducing thermal loads on the outside of the building to Ruskin Value-Flo balancing dampers providing the correct amount of air at the branch take-off, we have the energy efficient solution for you. Please see the following pages for more information on Ruskin's Green products.



WAUBONSEE COLLEGE



SAVING ENERGY & ATMOSPHERE



IAQ50X



EAMP



TOMKINS – GATES BUILDING

Ruskin Sunshades and Grilles can reduce glare leading to light pollution reduction and increase night visibility.

Long before LEED established Energy & Atmosphere requirements, Ruskin invented our integral airflow measuring and damper product called the IAQ40. Today, our third generation is called the IAQ50X. This patented damper saves energy by bringing in only the amount of outside air you need. We support ASHRAE Standard 62 for minimum ventilation requirements, but if the design criteria is more or less air, the IAQ50X will deliver only the amount that meets the requirements of the building design.

LEED 2009, using ASHRAE 90.1-2007 as a baseline, stipulates that New Buildings and Schools can attain EA credits by improving building performance anywhere from 12% to 48%.

LEED 2009 SS Credit: SSc8



Energy Optimization Can Be Achieved by Using a Number of Ruskin Products

- Ruskin ERVs can reduce the size of equipment and save first cost and can also utilize free cooling periods throughout the year to save energy.
- Ruskin Air Measuring Probes (AMP & EAMP) can be inserted throughout the ductwork and at OA openings without the need for long duct runs upstream or downstream.
- Ruskin ELC Louvers can be opened for free cooling or closed for air tight leakage on the building envelope and still maintain the desired aesthetic look.
- Ruskin Low Leak Control Dampers meet the requirement of the IECC leakage rates as well and can be thermally isolated in colder climates.
- Ruskin Value Flo Balancing Dampers are ideal for building commissioning.

*LEED 2009 EA Credits: EAp1,
EAp2, EAc1, EAc5*

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ACC AIR DOORS

IMPROVING INDOOR ENVIRONMENTAL QUALITY



EAMS060



EAMS



Z2000 SYSTEM

There are many aspects of building design that interact with the indoor environment. Certainly saving energy is environmentally friendly and will pay the building owner back on his investments, but it is the indoor environment that affects humans the greatest. It is the indoor environment that will increase productivity, reduce stress, increase attendance, and improve morale. It is not surprising therefore, to see the biggest set of changes taking place in mechanical systems used to improve the comfort of the occupants and increase their quality of life.

LEED 2009 MR Credits: MRc4, MRc5



Ruskin continues to reduce environmental stress by incorporating more and more recycled material into our products. For example, our purchased shipping pallets are constructed of 100% recycled material. We have 21 locations worldwide and 12 in the USA to reduce transportation time and fuel costs.



IAQ350XL



AMS



CDRAMS

The Indoor Environment Can Be Enhanced with These Ruskin Products

- Ruskin Air Doors create an invisible door to keep the unconditioned air out and the conditioned air in therefore reducing the need for added mechanical cooling or heating.
- Ruskin's IAQ350XL combines an AMCA Certified wind-driven rain louver with AMCA Certified air measurement and the AMCA Certified CD50 low-leakage damper in a compact package that includes actuators and controls. This Ruskin invention can assist not only with EA, MR and IEQ credits, but is also a candidate for LEED Innovation in Design – ID.
- Ruskin EAMS and EAMS060 electronic air measuring and control products utilize a heated mass flow sensor and are extremely accurate at low flows compared to pressure differential models. For LEED projects, using our un-equal section technology, only one Ruskin EAMS/EAMS060 is required to measure both the minimum outside air airflow and the economizer airflow during all modes of operation.
- Ruskin AMS and CDRAMS are velocity pressure solutions for both new construction and renovation IEQ problems. Each is compact in design and includes Ruskin's pressure transducer as a standard part of the package. AMS is a standalone device while the CDRAMS true-round damper can include factory actuators and factory mounted controls.
- Ruskin Zone Control Products can be adjusted to provide thermal comfort to suit individuals or groups in shared spaces.

LEED 2009 IEQ Credits: IEQp1, IEQp2, IEQp3, IEQc1, IEQc2, IEQc3.1, IEQc3.2, IEQc4.1, IEQc4.2, IEQc5, IEQc6.1, IEQc6.2, IEQc7.1, IEQc8.1, IEQc8.2, IEQc9, IEQc10 (Schools)

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COMMITMENT TO PROTECT THE ENVIRONMENT

"As part of its ongoing commitment to protect the environment, Ruskin is pleased to announce it is an ENERGY STAR® Partner," said Tom Edwards, Ruskin President. "We believe that a company-wide energy management approach will help us enhance our financial health and aid in preserving the environment."



In partnership with ENERGY STAR, Ruskin will:

- Measure and track the energy performance of its organization's facilities where possible by using tools such as those offered through ENERGY STAR
- Develop and implement a plan consistent with the ENERGY STAR Energy Management Guidelines to achieve energy savings
- Help spread the word about the importance of energy efficiency to its staff and community
- Support the ENERGY STAR Challenge, a national call-to-action to help improve the energy efficiency of America's commercial and industrial buildings by 10 percent or more
- Highlight our achievements with recognition offered through ENERGY STAR

"ENERGY STAR partners such as Ruskin are leading the fight for energy reduction by improving the efficiency of their buildings and facilities," said Kathleen Hogan, director of EPA's Climate Protection Partnership Division. "We applaud these efforts to help protect our global environment for generations to come."

Ruskin looks forward to our partnership with ENERGY STAR.

RUSKIN®
Air & Sound Control

3900 Dr. Greaves Rd • Kansas City, MO 64030
(816) 761-7476 • Fax (816) 765-8955
Email: ruskin@ruskin.com

Go Green B – 809/New



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using Vegetable Based Inks

