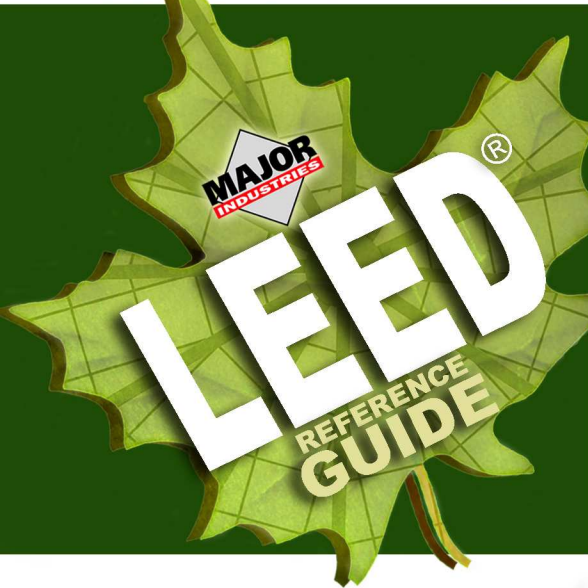




FRIENDLY ENVIRONMENTS WITH VISUAL IMPACT



Reduce light pollution, optimize energy performance and improve the quality of your indoor environment... without sacrificing strength or beauty. **Guardian 275® Translucent Daylighting Panels** fit every design and budget, with the added advantage of possible LEED® credit opportunities (described below and on reverse). Here are just a few benefits of using Major Industries for your daylighting needs:

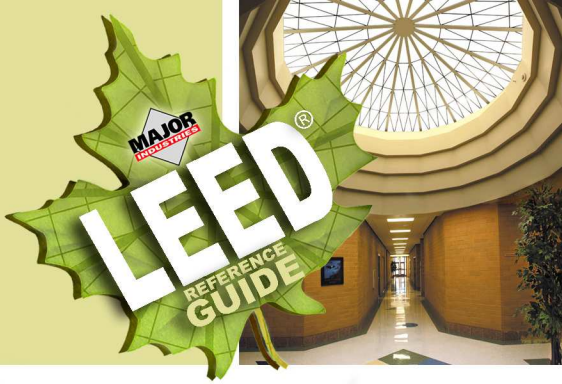
- **Guardian 275®** panels provide natural daylighting without glare or “hot-spots” – there’s no need for expensive shading accessories
- Optimization of energy performance and reduced HVAC loads
- Reduced need for “energy-hungry” artificial lighting
- Occupant control of ventilation and line-of-sight vision opportunities when using **Guard-Tite™** window wall systems
- Reduced light pollution with **Guardian 275®** panels
- High recycled content

POSSIBLE LEED® CREDIT CONTRIBUTION BY CATEGORY*

* Credits and descriptions are based on LEED® v. 2.2 NC and are subject to change with version updates.

CATEGORY	DESCRIPTION	HOW MAJOR'S PRODUCTS MAY QUALIFY
SS Credit 7.2 – Landscape & Exterior Design to Reduce Heat Islands, Roof Surfaces (One point)	Reduce heat islands (thermal gradient differences between developed and undeveloped areas) to minimize impact on microclimate and human and wildlife habitat. Use roofing materials having a Solar Reflectance Index (SRI) 3 equal to or greater than the following values for a minimum of 75% of the roof surface. (Low-Sloped Roof ≤ 2:12 78, Steep-Sloped Roof > 2:12 29)	Guardian 275® translucent panel systems offer exceptional light management. Exterior fiberglass face sheet pigment and internal insulation batting in the panel structure offer significant reflectivity and high emissivity. Optional colors for the aluminum structural framing are blended to promote "cool" surface temperatures as well. It may be possible to obtain SS Credit 7.2 by incorporating Major Industries' translucent glazing panels into the building's natural daylighting requirements.
SS Credit 8 – Light Pollution Education (One point)	Minimize light trespass from the building and site, reduce sky-glow to increase night sky access, improve nighttime visibility through glare reduction, and reduce development impact on nocturnal environments.	Guardian 275® translucent panel systems are designed to provide quality light management. Light transmission levels and other quality parameters are controlled by color selection and insulation values. Critical elements like Solar Heat Gain are minimized with SHGC values as low as 0.16 (UV Transmission is less than 1%). It may be possible to obtain SS Credit 8 by incorporating Major Industries' translucent glazing panels into the building's natural daylighting requirements.
EA Prerequisite 2 – Minimum Energy Performance	Design the building project to comply with... ASHRAE/IESNA Standard 90.1-2004.	Guardian 275® translucent panel systems offer exceptional insulating properties with U-values as low as 0.15. Solar Heat Gain is minimized with SHGC values as low as 0.16. UV Transmission is less than 1%. It may be possible to obtain EA Prerequisite 2 by incorporating Major Industries' translucent glazing panels into the building's natural daylighting requirements.
EA Credit 1.1 to 1.10 – Optimize Energy Performance Reductions (One point each)	Demonstrate a percentage improvement in the proposed building performance rating compared to the baseline building performance rating per ASHRAE/IESNA Standard 90.1-2004.	Guardian 275® translucent panel systems offer exceptional insulating properties with U-values as low as 0.15. Solar Heat Gain is minimized with SHGC values as low as 0.16. UV Transmission is less than 1%. The energy-efficient Guardian 275® translucent panels minimize heat loss during winter months and reduce the heat gain from direct sunlight during the summer months, saving energy and stabilizing HVAC loads. It may be possible to obtain EA credit 1 by incorporating Major Industries' translucent glazing panels into the building's natural daylighting requirements.

...continued on reverse



To find out how our skilled team and complete line of energy-saving daylighting products can help you transform your green design challenges into eye-catching solutions, visit Major Industries, Inc. online at www.majorskylights.com, call 888-759-2678 or fax us at 715-848-3336.

Incorporating daylighting is an environmentally conscious design solution, but your building's occupants will also gain the immediate benefits of glare-free natural light. Besides added visual appeal, numerous studies show the **positive mental and physical effects of daylight on the human body**, including improved mood and the ability to focus on tasks more effectively. Natural light can have an effect on the bottom line as well, as studies show that access to daylighting increases productivity in office and manufacturing environments and increases sales in retail settings.

Reduce HVAC loads and reliance on electrically powered lighting by using **Guardian 275®** panels from Major Industries. We've been engineering and manufacturing durable and worry-free daylighting solutions for nearly 30 years. Our expertise, experience, and innovation make us the right choice for all your daylighting needs.



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CATEGORY	DESCRIPTION	HOW MAJOR'S PRODUCTS MAY QUALIFY
MR Credit 1.1 to 1.2 – Building Reuse, Maintain 75% of Existing Shell/ Maintain 100% of Shell (One point each)	Maintain at least 75% (based on surface area) of existing building structure (including structural floor and roof decking) and envelope (exterior skin and framing, excluding window assemblies and non-structural roofing material).	When a building is in a renovation process the existing Guardian 275® panel systems may be renovated by one of the following methods: 1) Refinish existing exterior panel faces with specially designed surface coating. 2) Reuse existing framing system while replacing the glazing panels only. 3) Replace the entire system - frame and panels.
MR Credit 4.1 and 4.2 – Recycled Content, Specify 10%/ Recycle Content, Specify 20% (One point each)	Use materials with recycled content such that the sum of post-consumer recycled content plus one-half of the pre-consumer content constitutes at least 10%/20% (based on cost) of the total value of the materials in the project.	Major Industries' Wisconsin-based manufacturing facility is committed to a disciplined program of recycling materials including aluminum, steel, wood pallets, corrugated packaging, and paper. All scrap materials are sorted and recycled as part of our daily clean up in the plant. As a result of this effort and selective purchasing of materials from responsible vendors, our Guardian 275® translucent panel system meets both a 20% post-consumer and a 40% post-industrial content by weight. All Major Industries shipping materials can also be collected daily on the jobsite for recycling.
MR Credit 5.1 and 5.2 – Local/ Regional Materials, 10% Extracted/Processed/ Manufactured/ 20% Extracted/Processed/ Manufactured Locally (One point each)	Use building materials or products that have been extracted, harvested or recovered, as well as manufactured, within 500 miles of the project site for a minimum of 10%/20% (based on cost) of the total materials value.	Major Industries, Inc. is centrally located in the upper Midwest and is within the allowed radius of Chicago, Minneapolis, Detroit, St. Louis, Indianapolis and other metropolitan areas. Projects falling within 500 miles of Wausau, Wisconsin may qualify for LEED® credit.
EQ Credit 6.2 – Controllability of Systems/ Thermal Comfort (One point)	Provide individual comfort controls for 50% (minimum) of the building occupants to enable adjustments to suit individual task needs and preferences. Operable windows can be used in lieu of comfort controls...	Major Industries' Guard-Tite™ window wall systems feature operable windows in awning, hopper or casement configuration for ventilation and easy occupant use.
EQ Credit 8.1 – Daylight and Views – Daylight 75% of Spaces (One point)	Achieve a minimum glazing factor of 2% in a minimum of 75% of all regularly occupied areas.	Guardian 275® Translucent Daylighting Panels create soft, diffuse daylighting that allows occupants to enjoy the benefits of daylighting without the glare and "hot spots" associated with traditional glass windows.
EQ Credit 8.2 - Daylight & Views: Views for 90% of Spaces (One point)	Achieve direct line of sight to the outdoor environment via vision glazing between 2'6" and 7'6" above finish floor for building occupants in 90% of all regularly occupied areas.	Major Industries' Guard-Tite™ window wall systems allow unrestricted views to the outside while still retaining the daylighting benefits of strategically placed translucent panels. We can design a solution to fit your exact needs.
ID Credit 1.1 – Innovation in Design – Must be submitted in writing (One point)	To provide design teams and projects the opportunity to be awarded points for exceptional performance above the requirements set by the LEED®-NC Green Building Rating System and/or innovative performance in Green Building categories not specifically addressed by the LEED®-NC Green Building Rating System.	It may be possible to obtain credit by incorporating Major Industries' translucent glazing panels into the buildings natural daylighting requirements. Guardian 275® translucent panel systems offer soft, diffused, glare-free natural light. Other light control products are not necessary. Fixed and operable windows glazed with vision glass are available in Guard-Tite™ window wall applications.