

EXTECH®/Exterior Technologies, Inc
Leadership in Energy & Environmental Design
LEED Credits

LEED®'s Green Building Rating System™

LEED® (Leadership in Energy and Environmental Design) is a voluntary, consensus-based national rating system for developing high-performance, sustainable buildings. Developed by USGBC, LEED® addresses all building types and emphasizes state-of-the-art strategies for sustainable site development, water savings, energy efficiency, materials and resources selection, and indoor environmental quality. LEED® is a practical rating tool for green building design and construction that provides immediate and measurable results for building owners and occupants.

NOTE: Although USGBC (LEED®) does not certify, promote or endorse products and services of individual companies, products and services do play a role and can help projects with credit Achievement, (Note that products and services do not earn projects points.) Therefore, the following information is a guideline on how EXTECH® may contribute to a LEED® Project.

SS Credit 7.2 - Landscape & Exterior Design to Reduce Heat Islands, Root Surfaces

EXTECH®'s panel systems offer exceptional light management. Multi-wall polycarbonate panels 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 EXTECH's glazing panel systems into the buildings natural daylighting requirements.

SS Credit 8 • Light Pollution Education

EXTECH®'s 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 solar heat gain coefficient values as low as 0.26 (UV Transmission is less than 1%). It may be possible to obtain SS Credit 8 by incorporating EXTECH® glazing panel systems into the buildings natural daylighting requirements.

EA Prerequisite 2 • Minimum Energy Performance

EXTECH®'s panel systems offer exceptional insulating properties with U-values as low as 0.26. Solar Heat Gain is minimized with solar heat gain coefficient values as low as 0.25. UV Transmission is less than 1%, if may be possible to obtain EA Prerequisite 2 by incorporating EXTECH®'s panel systems into the buildings natural daylighting requirements.

EA Credit 1 • Optimize Energy Performance Reductions

EXTECH®'s panel systems offer exceptional insulating properties with U-values as low as 0.26. Solar Heat Gain is minimized with solar heat gain coefficient values as low as 0.26. UV Transmission is less than 1%. The energy efficient EXTECH®'s panel minimizes heat loss during winter months and reduces 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 EXTECH® panel systems into the buildings natural daylighting requirements.

EA Credit 2.1 to 2.3 • Renewable Energy

EXTECH®'s panel systems introduce natural daylight into the building design. Natural daylighting can eliminate the need for electrical lights during peak hours and when used properly, will save on HVAC

EXTECH®/Exterior Technologies, Inc

Leadership in Energy & Environmental Design

LEED Credits

usage. It may be possible to obtain EA credits 2.1-2.3 by incorporating EXTECH® panel systems into the buildings natural daylighting requirements.

MR Credit 1.1 to 1.3 - Building Reuse

It is possible to obtain MR Credits 1.1 - 1.34 by incorporating EXTECH®'s panel systems into the buildings natural daylighting requirements. When a building is in a renovation process, the existing EXTECH panel systems may be renovated by one of the following methods:

- Reuse existing framing system while replacing the glazing panels only.
- Replace the entire system - frame and panels.

MR Credit 2.1 to 2.2 - Construction Waste Management

EXTECH offers customers the option of receiving "returnable" reusable containers in lieu of wooden crates for our EXTECH panel and cardboard packaging for our aluminum extrusions. EXTECH® panel also "recycles" crates and racks received with raw materials for manufacturing and finishing of our product. This eliminates the need for extra packaging materials.

MR Credit 3.1 - Resource Reuse

It is possible to obtain MR Credit 3.1 by incorporating EXTECH®'s Glazing Panel Systems into the buildings natural daylighting requirements. When a building is in a renovation process, the existing EXTECH® Glazing Panel Systems may be renovated by one of the following methods:

- Reuse existing framing system while replacing the glazing panels only.
- Replace the entire system - frame and panels.

MR Credit 4.1 to 4.2 - Recycled Content

EXTECH®'s manufacturing facility is committed to a disciplined program of recycling for all of our 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 EXTECH® panel systems meet's both a 20% post-consumer and a 40% post-industrial content by weight. All EXTECH® shipping materials can also be collected daily on the jobsite for recycling. It is possible to obtain MR Credit 4.1 & MR Credit 4.2 by incorporating EXTECH®'s glazing panel systems into the buildings natural daylighting requirements.

MR Credit 5.1 - Local/Regional Materials

Contribution to MR Credit 5.1 is possible to be obtained using EXTECH®'s panel Systems if the job-site is within a 500 mile radius of EXTECH®'s manufacturing facility in Pittsburgh, PA.

EQ Credit 4.1 Low-Emitting Materials, Adhesives and Sealants

EXTECH®'s sealants do not exceed applicable VOC limits. EXTECH®'s state-of-the-art manufacturing processes make it possible to provide an environmentally-friendly translucent panel that utilizes fully cured adhesives and sealants with virtually zero emissions. It may be possible to obtain EQ credit 4.1 by incorporating EXTECH®'s glazing panel systems into the buildings natural daylighting requirements.

EXTECH®/Exterior Technologies, Inc
Leadership in Energy & Environmental Design
LEED Credits

EQ Credit 4.2 - Low-Emitting Materials, Paints

Liquid Paint Finishes (Interior). When the option is available, specify factory-applied rather than field applied paints. In addition, factory-applied paints that contain VOC's (e.g. baked enamels such as Duracron or Duranar) can be applied using specialized equipment that captures and destroys VOC's in the painting process, with 95%+ efficiency. Our finisher utilizes such equipment and documentation can be provided to the design professional evidencing use of such equipment when painting a project.

- Paint Finishes (Interior). This option provides a VOC-free coating.
- Anodize Finishes (Interior). This option provides a VOC-free coating.

It may be possible to obtain EQ credit 4.2 by incorporating EXTECH®'s Panel Systems into the buildings natural daylighting requirements.

- Sophisticated application equipment and emission management from EXTECH®'s finishers may apply.

EQ Credit 6.1 - Controllability of Systems

EXTECH®'s panel systems are available with project-out, project-in or casement operable windows. It may be possible to obtain EQ credit 6.1 by incorporating EXTECH®'s glazing panel systems into the buildings natural daylighting requirements.

EQ Credit 8.1 to 8.2 - Daylight and Views

It may be possible to obtain EQ credit 6.1 by incorporating EXTECH®'s glazing panel systems into the buildings natural daylighting requirements. EXTECH® offers a soft, diffused glare free natural light. Other light control products are not necessary. Fixed and operable windows glazed with vision glass are available with EXTECH®'s Glazing panel system applications.

Design Excellence - Innovation in Design

It may be possible to obtain DE credit by incorporating EXTECH®'s glazing panel system into the buildings natural daylighting requirements. EXTECH®'s panel systems offer a soft, diffused glare free natural light. Other light control products are not necessary. Fixed and operable windows glazed with vision glass are available with EXTECH®'s Glazing panel system applications.