

ABOUT LEED

LEED® 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.



EXTECH's KINETICWALL at the LEED certified building, The Children's Museum of Pittsburgh

SS Credit - Heat Island Reduction

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 Credits by incorporating EXTECH's glazing panel systems into the buildings natural daylighting requirements.

SS Credit - Light Pollution Reduction

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 Credits by incorporating EXTECH® glazing panel systems into the buildings natural daylighting requirements.

EA Prerequisite - 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 this EA Prerequisite by incorporating EXTECH®'s panel systems into the buildings natural daylighting requirements.

EA Credit - Optimize 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 0.26. 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 credits by incorporating EXTECH® panel systems into the buildings natural daylighting requirements.

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

MR Credit : Building Life-Cycle Impact Reduction- Building Reuse

It is possible to obtain MR Credits 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.

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MR Credit - Construction and Demolition 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: Sourcing of Raw Materials - Resource Reuse

It is possible to obtain MR Credits 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: Sourcing of Raw Materials - 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 meets 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 Credits by incorporating EXTECH®'s glazing panel systems into the buildings natural daylighting requirements.

EQ Credit: Low-Emitting Materials - Paints and Coatings

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

EQ Credit: Enhanced Indoor Air Quality Strategies- Operable Windows

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

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EQ Credit - Daylight

It may be possible to obtain EQ credits 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.

EQ Credit - Quality Views

By incorporating EXTECH®'s glazing panel systems into the building, quality views can be achieved with the right amount of daylighting and translucencies.

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.

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, this document is a guideline on how EXTECH® may contribute to a LEED® Project.



EXTECH's LIGHTWALL at the LEED certified Ally Charlotte Center in Charlotte, NC.