LEED®
Leadership in Energy and Environmental Design

Taking care to preserve our environment is everyone's responsibility. Eagle Window & Door provides you the opportunity to incorporate green products into your projects.

Energy & Atmosphere

PREREQUISITE

EA Prerequisite 2: Minimum Energy Performance Required
Intent: Establish the minimum level of energy efficiency for the proposed building and system.
LEED Requirement: Design the building envelope, HVAC, lighting and other systems to maximize energy performance using the mandatory provision of ASHRAE/IESNA Standard 90.1-2004 and the prescriptive requirements or performance requirements of ASHRAE/IESNA Standard 90.1-2004.

1-10 POINTS

EA Credit 1: Optimize Energy Performance
Intent: Achieve increasing levels of energy performance above the baseline in the prerequisite standard to reduce environmental and economic impacts associated with excessive energy use.
LEED Requirement: Design the building envelope and systems to maximize energy performance. Quantify energy performance as compared to a baseline building.

1-3 POINTS

EA Credit 2: On-site Renewable Energy
Intent: Encourage and recognize increasing levels of on-site renewable energy self-supply in order to reduce environmental and economic impacts associated with fossil fuel energy use.
LEED Requirement: Use on-site renewable energy systems to offset building energy costs. Calculate project performance by expressing the energy produced by the renewable systems as a percentage of the building's annual energy cost.

Materials & Resources

1 POINT

MR Credit 4.1: Recycled Content—10% (Post-consumer + 1/2 pre-consumer)
Intent: Increase demand for building products that incorporate recycled content materials, thereby reducing impacts resulting from extraction and processing of virgin materials.
LEED Requirement: 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% (based on cost) of the total value of the materials in the project.

1 POINT

MR Credit 4.2: Recycled Content—20% (Post-consumer + 1/2 pre-consumer)
Intent: Increase demand for building products that incorporate recycled content materials, thereby reducing impacts resulting from extraction and processing of virgin materials.
LEED Requirement: 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 20% (based on cost) of the total value of the materials in the project.

1 POINT

MR Credit 5.1: Regional Materials—10% Extracted, Processed & Manufactured Regionally
Intent: Increase demand for building materials and products that are extracted and manufactured within the region, thereby supporting the use of indigenous resources and reducing the environmental impacts resulting from transportation.
LEED Requirement: 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% (based on cost) of the total materials' value.

1 POINT

MR Credit 5.2: Regional Materials—20% Extracted, Processed & Manufactured Regionally
Intent: Increase demand for building materials and products that are extracted and manufactured within the region, thereby supporting the use of indigenous resources and reducing the environmental impacts resulting from transportation.
LEED Requirement: 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 20% (based on cost) of the total materials' value.

LEED® is a registered trademark of the U.S. Green Building Council.

Indoor Environmental Quality

REQUIRED

EQ Prerequisite 1: Minimum IAQ Performance
Intent: Establish minimum indoor air quality (IAQ) performance to enhance indoor air quality in buildings, thus contributing to the comfort and well-being of the occupants.
LEED Requirement: Design ventilation systems to meet or exceed the minimum outdoor air ventilation rates as described in the ASHRAE standard.

1 POINT

EQ Credit 2: Increased Ventilation
Intent: Provide additional outdoor air ventilation to improve indoor air quality for improved comfort, well-being and productivity.
LEED Requirement: Increase breathing zone outdoor air ventilation rates to all occupied spaces by at least 30% above the minimum rates required by ASHRAE Standard 62.1-2004 or design natural ventilation systems for occupied spaces to meet the recommendations set forth in the Carbon Trust "Good Practices Guide 237".

1 POINT

EQ Credit 4.2: Low-emitting Materials—Paints & Coatings
Intent: Reduce the quantity of indoor air contaminants that are odorous, irritating and/or harmful to the comfort and well-being of installers and occupants.
LEED Requirement: Paints and coatings used on the interior of the building shall comply with stated LEED requirements.

1 POINT

EQ Credit 4.4: Low-emitting Materials—Composite Wood & Agrifiber Products
Intent: Reduce the quantity of indoor air contaminants that are odorous, irritating and/or harmful to the comfort and well-being of installers and occupants.
LEED Requirement: Specify wood and agrifiber products that contain no added urea-formaldehyde resins. Specify laminating adhesives for field and shop applied assemblies that contain no urea-formaldehyde resins.

1 POINT

EQ Credit 6.2: Controllability of Systems—Thermal Comfort
Intent: Provide a high level of thermal comfort to system control by individual occupants or by specific groups in multi-occupant spaces to promote the productivity, comfort and well-being of building occupants.
LEED Requirement: Provide individual comfort controls for 50% (minimum) of the building occupants to enable adjustments to suit individual task needs and preferences.

1 POINT

EQ Credit 7.1: Thermal Comfort—Design
Intent: Provide a comfortable thermal environment that supports the productivity and well-being of building occupants.
LEED Requirement: Establish comfort criteria per ASHRAE Standard 55-2004 that support the desired quality and occupant satisfaction with building performance.

1 POINT

EQ Credit 8.1: Daylight & Views—Daylight 75% of Spaces
Intent: Provide for the building occupants a connection between indoor spaces and the outdoors through the introduction of daylight and views into the regularly occupied areas of the building.
LEED Requirement: Design the building to maximize interior daylighting.

1 POINT

EQ Credit 8.2: Daylight & Views—Views for 90% of Spaces
Intent: Provide a comfortable thermal environment that supports the productivity and well-being of building occupants.
LEED Requirement: Design the space to maximize daylighting and view opportunities.

Innovation & Design Process

1-4 POINTS

ID Credit 1-1.4: Innovation in Design
Intent: 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.
LEED Requirement: Substantially exceed a LEED-NC performance credit such as energy performance or water efficiency.

For more information or for the dealer nearest you, call 800.453.3633 or visit our website at EagleWindow.com