



## How was LEED created?

LEED was created in an effort to transform the building environment and shift the focus to sustainability by providing consistent standards for what constitutes 'green' buildings. These standards were created using an open, consensus-based process that has made LEED the green building criteria of choice.

## What is LEED certification?

To earn certification, a building must meet certain requirements and performance benchmarks that relate to the buildings environmental performance. Projects are awarded either a Certified (40 pts), Silver (50 pts), Gold (60 pts), or Platinum (80 pts) LEED certification depending on the number of credits they achieve by meeting LEED 2009 v3 standards.

## What is LEED v3?

LEED v3 (2009), released on 04/27/2009, incorporates the best available scientific and technological advances into the LEED standards that were first published in 1998 for New Construction and Major Remodeling.

The United States Green Building Council's (USGBC) **Leadership in Energy and Environmental Design** (LEED®) program sets a definitive standard for what constitutes a 'green' building. The program is based on nationally accepted energy and environmental standards and principles that strike a balance between known effective practices and emerging technologies.

## Materials and Resources

### MR CREDIT 2: Construction Waste Mgmt: Divert from Disposal 1-2 pts

The intent of MR Credit 2 is to divert construction debris from disposal in landfills by recycling resources back into the manufacturing process. The goal of this credit is to recycle or salvage at least 50% (for 1 pt) or 75% (for 2 pts) of construction or demolition debris.

**Firestone Metal Products Solution:**  
*Materials are shipped to customer or jobsites in clean wooden crates, allowing the crate to be salvaged on-site and recycled.*

### MR CREDIT 3: Material Reuse 1-2 pts

The intent of MR Credit 3 is to reuse building materials in order to reduce waste. Salvaged materials should constitute a minimum of 5% (for 1 pt) or 10% (for 2 pts) based on cost of the total value of materials on the project.

**Firestone Metal Products Solution:**  
*Suggest opportunities for re-using aluminum plate, flat lock and sun screen systems.*

### MR CREDIT 4: Recycled Content 1-2 pts

The intent of MR Credit 4 is to increase the demand for building products that incorporate recycled content. Recycled material should constitute a minimum of 10% (for 1 pt) or 20% (for 2 pts) based on the total value of materials on the project.

**Firestone Metal Products Solution:**  
*Panel systems utilizing sheet metal and ACM materials which contain post-industrial and post-consumer waste. Call Firestone Metal Products at 800/426-7737 for current recycled content information.*

## Energy and Atmosphere

### EA CREDIT 1: Optimize Energy Performance 1-19 pts

The intent of EA Credit 1 is to achieve higher levels of energy performance throughout the entire building to reduce the environmental impacts for Energy overuse. In order to comply with this credit and to achieve the maximum number of points, the building must show a percentage increase in energy savings per ASHREA/ESNA.

**Firestone Metal Products Solution:**  
*The use of SC-1 and SC-2 exterior sun control devices to reduce building heat gain and the use of LS-1 interior light shelves to redirect day lighting into the building can significantly add to the overall performance of the building's energy savings.*



## Innovation in Design

### ID Credit 1: Innovation in Design 1-5 pts

The intent of ID Credit 1 is to provide design teams with the opportunity to achieve exceptional performance above the requirements set by the LEED Rating System not specifically addressed by the building rating system. One point is earned per innovation with a maximum of five.

#### Firestone Metal Products Solution:

*Provide research resources and creative design solutions for LEED professionals.*



## Indoor Environmental Quality

### EQ CREDIT 4.1: Low-Emitting Materials: Adhesives and Sealants 1 pt

The intent of EQ Credit 4.1 is to reduce the quantity of indoor air contaminants that are odorous, irritating, and /or harmful to the comfort and well being of installers and occupants.

### EQ CREDIT 4.2: Low-Emitting Materials: Paints and Coatings 1 pt

The intent of EQ Credit 4.2 is to reduce the quantity of indoor air contaminants that are odorous, irritating, and /or harmful to the comfort and well being of installers and occupants.

#### Firestone Metal Products Solution:

*Provide interior painted panel systems with low-VOC materials, as specified in the construction documents, not to exceed the limits established in Green Seal Standard GS-11. Provide interior laminated panel and light shelves utilizing adhesives which, as specified in the construction documents, shall comply with the requirements of the South Coast Air Quality Management District Rule #1168.*

### EQ CREDIT 8.1: Daylight and Views: Daylight 1 pt

The intent of EQ Credit 8.1 is to provide ambient daylight to create a connection between the outdoors and indoor spaces for the regularly occupied areas of the building.

### EQ CREDIT 8.2: Daylight and Views: Views 1 pt

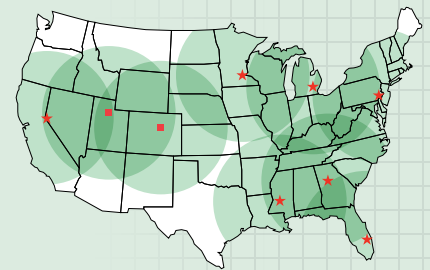
The intent of EQ Credit 8.2 is to provide views to create a connection to the outdoors from the regularly occupied areas of the building.

#### Firestone Metal Products Solution:

*The use of LS-1 interior light shelves to redirect ambient daylight into the building.*

## Service Radius

Our strategic locations keep the majority of the US under a 500 mile service radius to minimize the impact of shipping.



## Conclusions

It is important to remember that everyone from architects, real estate professionals, facility managers, engineers, construction managers, and manufacturers play an integral part in obtaining LEED certification.

Firestone Metal Products is committed to assisting anyone who is interested in obtaining more information on our products.

For more information, please refer to the following links:

Firestone Metal Products  
[www.UNACLAD.com](http://www.UNACLAD.com)

U.S. Green Building Council  
[www.usgbc.org](http://www.usgbc.org)

Firestone Building Products  
[www.FirestoneBPco.com](http://www.FirestoneBPco.com)