

[LEED Credit Overview](#)

About LEED

LEED is an internationally recognized building certification system developed by the United States Green Building Council (USGBC). Currently, the USGBC operates under the LEED v3 (2009). The various LEED Rating Systems under which a building can be certified under are: Building Design & Construction (New Construction), Building Operations & Maintenance (EB: O&M), Interior Design & Construction (Commercial Interiors), Core & Shell, Schools, Retail, Healthcare, Homes and Neighborhood Development. LEED certification applies to building types only (not products themselves) and can be earned at the following levels based on a 100 point scale: Certified, Gold, Silver, or Platinum. LEED measures the following categories and must meet each categories prerequisites at a minimum; Sustainable Sites (SS), Water Efficiency (WE), Energy & Atmosphere (EA), Materials & Resources (MR), Indoor Environmental Quality (IEQ), Innovation in Design (ID) and Regional Priority (RP). ID and RP are bonus point categories earning up to 10 bonus points for a total of 110 points possible.

How Sheffield Metals International products can help your project achieve LEED certification either directly or indirectly through the following credits:

Sustainable Sites

- **SS Credit 6.1 Stormwater Design - Quantity Control** (Indirect)
COOLR metal roofing is ideal for harvesting rainwater for reuse in irrigation and indoor nonpotable water applications thus improving stormwater management, decreasing stormwater runoff and possible site erosion.
- **SS Credit 7.2 Heat Island Effect: Roof** (Direct)
Many COOLR painted metal roofing colors meet the solar reflective index (SRI) value requirements for LEED. For low slope roofing (less than or equal to 2:12) the SRI must be greater than or equal to 78 or for steep slope roofing (greater than 2:12) the SRI must be greater than or equal to 29 for a minimum of 75% of the roof surface.

Water Efficiency

- **WE Credit 1 Water Efficient Landscaping: Reduce by 50% or No Potable Water Use or Irrigation** (Indirect)
- **WE Credit 2 Innovative Wastewater Technologies** (Indirect)
COOLR metal roofing is ideal for harvesting rainwater for reuse, reducing the buildings potable water consumption for irrigation and indoor nonpotable water usage.

Energy & Atmosphere

- **EA Credit 1 Optimize Energy Performance** (Indirect)
COOLR metal roofing in conjunction with the entire building envelope can be modeled to show the energy cost savings in comparison to the baseline (ASHRAE Standard 90.1-2007). Highly reflective roofing can decrease cooling loads helping achieve this credit.

- **EA Credit 2 On-Site Renewable Energy** (Direct)
SOLR roofing can produce on-site renewable energy, offsetting building energy costs. Up to 7 points can be earned under this credit based on the percentage of renewable energy produced for the building.
- **EA Credit 3 Enhanced Commissioning** (Indirect)
Commissioning of the SOLR roofing in combination with other building systems will help achieve this credit.
- **EA Credit 5 Measurement and Verification** (Indirect)
SOLR roofing can be monitored as a part of the “measurement and verification plan” under this credit to ensure optimal performance and power production.

Materials & Resources

- **MR Credit 1 Building Reuse: Maintain Existing Walls, Floors & Roof** (Indirect)
The use of TOPR allows the existing roof to stay in place, contributing to overall building reuse and reduction of waste sent to the landfill.
- **MR Credit 2 Construction Waste Management** (Indirect)
- **MR Credit 3 Materials Reuse** (Indirect)
At the end of the COOLR metal roofing life cycle, these panels can be salvaged for reuse or diverted from the landfill to be recycled.
- **MR Credit 4 Recycled Content (post-consumer + ½ pre-consumer)** (Indirect)
COOLR metal roofing has a high recycled content, contributing to the achievement of points for this credit.
- **MR Credit 5 Regional Materials** (Indirect)
Sheffield Metals International products may be produced within 500 miles of your project site. Please notify us at the time of ordering if your project is pursuing this credit.

Innovation in Design

COOLR, TOPR, and SOLR products may support exemplary performance in any of the above credits. Exemplary performance is measured by achieving the next percentage increment and is dependent upon the specific credit.

For example, EA Credit 2 On-Site Renewable Energy can achieve an ID point if the on-site renewable energy accounts for 15% or more of the annual building energy cost. Installing a SOLR kiosk can be an educational tool, and documented for achievement of an additional ID point.