

Spengler Industries
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LEED® v4 Information Sheet

Sustainable Sites (SS)

SS Credit 5: Heat Island Reduction

Intent: To minimize effects on microclimates and human and wildlife habitats by reducing heat islands.

Requirement: Use roofing materials with a Solar Reflectance Index (SRI) that meets or exceeds LEED® v4 criteria.

Contribution: Spengler Industries' metal roofs are available in various colors with high SRI values that reflect solar energy effectively, reducing building cooling loads and mitigating the urban heat island effect.

Water Efficiency (WE)

WE Credit 1: Rainwater Management

- **Intent:** To reduce runoff volume and improve water quality by replicating the natural hydrology and water balance of the site.
- **Requirement:** Manage the 95th percentile of regional rainfall using green infrastructure and low-impact development practices.
- **Contribution:** Our roofing systems can be integrated with rainwater harvesting systems to manage runoff effectively, contributing to water efficiency credits.

Energy & Atmosphere (EA)

EA Credit 1: Optimize Energy Performance

- **Intent:** To achieve increasing levels of energy performance beyond the baseline standard to reduce environmental and economic impacts associated with excessive energy use.
- **Contribution:** Our energy-efficient roofing materials help maintain lower building temperatures, reducing the need for air conditioning and thereby optimizing energy performance.

Materials & Resources (MR)

MR Credit 4: Building Product Disclosure and Optimization - Material Ingredients

- **Intent:** To encourage the use of products that have fully disclosed ingredients and demonstrate optimization to minimize the impact on human and ecological health.
- **Contribution:** Spengler Industries uses materials with a known ingredient list and optimized for environmental friendliness. Our products include a significant percentage of recycled content, enhancing their sustainability profile.

Indoor Environmental Quality (IEQ)

IEQ Credit 4: Low-Emitting Materials

- **Intent:** To reduce the quantity of indoor air contaminants that are odorous, potentially irritating and/or harmful to the comfort and well-being of installers and occupants.
- **Contribution:** The coatings and treatments used on our metal products are low-VOC, supporting better indoor air quality and contributing to this LEED category.

Innovation (IN)

IN Credit 1: Innovation

Intent: To provide design teams and projects the opportunity to achieve exceptional performance above the requirements set by the LEED green building standard or innovative performance in Green Building categories not specifically addressed by LEED.

Contribution: Spengler Industries is committed to innovation in sustainable building practices, including the development of advanced coating technologies that improve environmental performance and efficiency.

Contact for Technical Assistance

For more detailed information on how Spengler Industries' products contribute to LEED certification, or for technical support, please contact our office:

Phone: 801-462-5264

Email: sales@spenglerindustries.com

Disclaimer

All information is accurate at the time of this document's latest revision and is subject to change without notice. Verify all details specific to LEED credits and certification with a qualified LEED professional.