



SUSTAINABILITY

The Simplex Difference: Rapidly Renewable – Low Carbon Energy & Heavy Metal Free

1. **Renewable Energy:** Simplex is located in Montreal, Quebec and powers the production facility with renewable, low carbon hydroelectric energy.
2. **Heavy Metal Free:** Aluminum does not require the use of the heavy metal pretreatment (hexavalent chromium) as used in galvanized steel.

The U. S. Green Building Council, LEED® - NC Green Building Rating System for New Construction & Major Renovation Version 2.2

1. **Indoor Environmental Quality (LEED® EQ Credit 3.1 and 3.2 – Construction IAQ Management Plan – During Construction and Before Occupancy):** Most of our products do not require field fabrication. This assists in preventing indoor air quality events resulting from the construction process and sustains the comfort and well-being of the construction workers and building occupants. Our ceiling, exterior soffits and wall systems have no reportable VOC's in the finished product.
2. **Indoor Environmental Quality (LEED® EQ Credit 4.1, 4.2, 4.3 and 4.4 – Low-Emitting Materials: Paints & Coatings):** Most of our products are factory finished and do not require field painting. Our ceiling, exterior soffits and wall systems have no reportable VOC's in the finished product.
3. **Indoor Environmental Quality (LEED® EQ 8.1 and 8.2 – Daylight and Views):** Ceiling systems with high light reflectance (LR) can improve the quality and quantity of natural light by improving indirect lighting.
4. **Material and Resources (LEED® MR Credit 1.3 – Building Reuse – Maintain Interior)** Prefinished aluminum panels are abuse and moisture resistant.
5. **Material and Resources (LEED® MR Credit 2.1 and 2.2 – Construction Waste Management):** Our systems are pre-engineered systems to reduce installation waste and are 100% locally recyclable.
6. **Material and Resources (LEED MR Credit 3.1 and 3.2 – Resource Reuse):** Our systems may include recycled aluminum
7. **Material and Resources (LEED® MR Credit 4.1 and 4.2 – Recycled Content):** Most of our systems are made from aluminum that contains at least 25% recycled material. The mix of the recycled content varies depending on alloy but is approximately 50% post consumer and 50% post industrial.
8. **Material and Resources (LEED® MR Credit 5.1 and 5.2 – Regional Materials):** Our products are manufactured in Montreal, Quebec and contribute to 5.1 earned credit for projects within a 500 mile radius. Our raw material (aluminum) is manufactured in Lancaster, Pa 17601 and contributes to 5.2 earned credit for projects within a 500 mile radius.
9. **Energy and Atmosphere (LEED® EA Credit 1.3 – Optimize Energy Performance):** Ceiling systems with high light reflectance (LR) can reduce the number of light fixtures needed curbing energy consumption. Simplex Ceiling are available in the CEILTEX finish with LR .89