

Airolite LEED Statement

Airolite stands with its parent company as a member of the United States Green Building Council (USGBC). As a manufacturer, our organization is focused on principles of sustainability. We strive continually to use and manage natural resources responsibly, conserve energy in our daily operations and minimize material waste in the production of our products. We are dedicated to assisting our customers in meeting the goals of sustainable-design projects and those adhering to LEED certification guidelines. Specifying Airolite products may help you earn LEED credits for your project. Below are specific examples.

Daylight and Views (LEED-NC, v2.2 - IEQ Credit 8.1 and 8.2)

Energy performance (LEED-NC, v2.2 - EA Prereq 2 and Credit 1)

Thermal Comfort, Design (LEED-NC, v2.2 - IEQ Credit 7.1)

If the aluminum louvers, grilles or sun control products are being utilized in some sort of a sun control application, then you may be eligible to receive LEED credits. These would have to be further determined by the architect as to the exact function these products will play in the specific building structure

Material Usage (LEED-NC, V2.2 - MR Credit 4.1 and 4.2)

Aluminum louvers, grilles and sun control products are produced of aluminum extruded metal and fabricated sheet aluminum. The aluminum generally consists of:

- extruded aluminum recycled content 45% by weight,
- fabricated sheet aluminum recycled content 28% by weight,
- aluminum bird screen recycled content 38% by weight.

Using this as a portion may allow up to (2) LEED credit points for your project.

Regional Content (LEED-NC, V2.2 - MR Credit 5.1 and 5.2)

Airolite products are produced in Schofield, WI (zip code 54476), Frankfort, KY (zip code 40601) and Rocklin, CA (zip code 95765). In addition, 89% of all extruded aluminum components used to produce Airolite products are sourced in North America. However, raw materials required to produce aluminum are mined principally in locations remote to the United States, including Australia, China and Brazil. Because our vendors cannot identify the precise geographic location of extraction and processing of these materials, we are unable to contribute to the achievement of points under this category.

Construction IAQ Management Plan (LEED-NC, v2.2 - IEQ Credit 3.1 and Credit 3.2)

Airolite products are shipped in fully assembled sections for erection into the building. This means no on-site fabrication is required, which aids in the indoor air quality of the construction crews and building occupants.

Low-emitting Materials - Paints and Coatings (LEED-NC v2.2 - IEQ Credit 4.2)

Airolite products are painted prior to arrival on site and do not require field painting. This contributes to the prevention of contaminants in the indoor air, thus contributing to the well-being and comfort of construction crews and building tenants. During our painting process, our primary paint vendor has zero VOC emissions released into the environment. VOC's are captured in a filter system or incinerated to prevent escape. Filter system is treated to render VOC's inactive and thus a non-hazardous landfill material.

Innovations in Design (LEED-NC v2.2 - ID Credit 1.1 to 1.4)

Airolite has several sun control devices that can be used to reduce heat gains in buildings while creating a very eye pleasing attractive accessory to the building. These can be utilized to substantially enhance the building environment (inside and outside) for the well being of the tenants. Acoustical louver and/or louver screen walls and equipment enclosures can also contribute to noise reduction which can be used to substantiate Innovations in Design.

Airolite Contacts

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*Prepared to Support
Green Building Efforts*

AIROLITE PRODUCTS/FEATURES CONTRIBUTING TO LEED-NC (v 2.2) PREREQUISITES/CREDITS

Prerequisites/Credits	Energy & Atmosphere (EA)		Materials & Resources (MR)		Indoor Environmental Quality (EQ)				Innovation and Design Process (ID)
	Prereq 2 Minimum Energy Performance	Credit 1 Optimize Energy Performance	Credits 4.1 & 4.2 Recycled Content	Credits 5.1 & 5.2 Regional Materials	Credits 3.1 & 3.2 Construction IAQ Management Plan	Credit 4.2 Low-emitting Materials Paints and Coatings	Credit 7.1 Thermal Comfort, Design	Credits 8.1 & 8.2 Daylight & Views	Credits 1.1 to 1.4 Innovation in Design
Intent	Establish the minimum level of energy efficiency for the purposed building and systems	Achieve increasing levels of energy performance above the baseline in the prerequisite standard to reduce environmental and economic impacts associated with excessive energy use.	Increase demand for building products that incorporate recycled content materials, thereby reducing impacts resulting from extraction and processing of virgin materials.	Increase demand for building materials and products that are extracted/ manufactured within the region, thereby supporting the use of indigenous resource and reducing the environmental impacts resulting from transportation.	Reduce indoor air quality problems resulting from the construction/ renovation process to help sustain the comfort and well-being of construction workers and occupants	Reduce the quantity of indoor air contaminants that are odorous, irritating and/or harmful to the comfort and well-being of installers and occupants	Provide a comfortable thermal environment that supports the productivity and well-being of building occupants.	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.	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.
Relevant Codes and Standards	ASHRAE 90.1-2004 or equivalent local energy code	ASHRAE 90.1-2004 or equivalent local energy code	ISO 14021		SMACNA IAQ Guidelines	GS-11	ASHRAE 55-2004		
<u>Contributing Airlite Products/Features</u>									
Sun Control Devices									
Sun Shades	x	x	x		x	x	x	x	x
Grilles	x	x	x		x	x	x	x	x
Light Shelves	x	x	x		x	x	x	x	x
Bahama Shutters	x	x	x		x	x	x	x	x
Trellis'	x	x	x		x	x	x	x	x
Canopies	x	x	x		x	x	x	x	x
Noise Control Devices									
Acoustical Louvers			x		x	x			x
Screen walls			x		x	x			x
Louvers	x	x	x		x	x	x		x

