

ALLIANCE WINDOW COMPANY, INC

Commercial Aluminum Windows & Doors

GO GREEN

Aluminum windows and Doors & LEED's Program

- ♻️ Window products can contribute to LEED rating system
- ♻️ Only building projects can be LEED certified
- ♻️ Window products cannot be LEED certified

Aluminum:

- ♻️ Recycled aluminum only require 5% of the energy for primary billet production
- ♻️ Aluminum windows can be manufactured with up to 25% recycled content.
- ♻️ Life cycle assessment is positive – since 1886, approximately 65% of an estimated 650m tons still in use today.

Thermally Broken Frames:

- ♻️ Aluminum frames should be thermally improved in order to meet more stringent energy performance.
- ♻️ Thermally broken frames reduce heat transfer by more than 20%
- ♻️ LEEDS points are assigned base on overall energy savings, therefore the lower the U-factor below required values the better

High Performance Glass:

- ♻️ Performance will directly impact building mechanical requirements and energy consumption
- ♻️ High performance glazing options can contribute to huge energy cost savings
- ♻️ Amount of glass utilized will impact the amount of natural light being allowed into the building

Air Quality:

- ♻️ Incorporating operable windows into the building design will contribute to indoor air quality
- ♻️ Powder coat finishes contain no solvents and therefore emit negligible, if any, polluting VOC's into the atmosphere

Summary:

- ♻️ All Aluminum window products for LEED projects should:
- ♻️ Utilize thermally improved frames
- ♻️ Utilize high performance glass
- ♻️ Be manufactured with minimum of 25% recycled content
- ♻️ If possible incorporate operable components

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LEED Submittal Information

Project name and Job #: _____

Project Location: _____

Products (series): _____

Materials: Aluminum Glass

Glazing description: _____

Energy Performance				
Product Series Model	Overall thermal performance U-Value	Glazing Performance		
		U-Value	SHGC	VT

Recycled Content Aluminum- (Total Weight Lbs.)				
Component	weight of component	% of total product	% PI	% PC
Non- recycled				
Recycled				

Recycled Content Glass- (Total Weight Lbs.)				
Component	weight of component	% of total product	% PI	% PC
Non- recycled				
Recycled				

PI- Post Industrial
PC- Post consumer