

American Metalcraft Inc. ® and LEED®

Aluminum Panel Systems

About the USGBC LEED Program

The United States Green Building Council (USGBC) is a voluntary, broad based consortium of building industry professionals whose objective is to promote sustainability and high performance in construction.

About the LEED® Rating

The Leadership in Energy and Environmental Design LEED® rating system was developed by the USGBC for use as a measurable benchmark for the design, construction, and operation of “Green” buildings.

The LEED® rating system basically defines what constitutes a Green Building and identifies the requirements for sustainable design. There are separate LEED® programs and performance guides for New Construction (NC) and Existing Buildings (EB). The LEED® reference guide are constantly under review and are updated on a regular basis. LEED® promotes an inclusive approach to sustainability or “Green” building in new Construction by setting standards in key areas.

- Sustainable Site Development
- Water Efficiency
- Energy & Atmosphere
- Material Resources
- Indoor Environmental Quality
- Innovation & Design Process

LEED® Certification

It is a common misconception that LEED® certification applies to construction products; The reality is that the USGBC does not certify individual products nor does it endorse individual companies. **LEED® certification can only be awarded to a specific building project.** However, it is true to say that construction products, can and do play an important role in enabling a building to achieve LEED® rating and therefore the appropriate level of certification by securing credits and qualifying for the award of LEED® points.

LEED® points are awarded in the discrete categories named above, which Individually and then cumulatively may be used to arrive at the level of certification of the building in question.

The four level of certification are as follows:

- Certified
- Silver
- Gold
- Platinum

American Metalcraft Inc. ® & LEED®

American Metalcraft Inc. aluminum panels can contribute very positively to the LEED® rating and certification level of a building. American Metalcraft Inc. panels contribute points in the following categories:

- Materials & Resources
- Credit 4.1 Recycled Content. The recycled content of an American Metalcraft Inc. panel systems in aluminum is significantly higher than that of panel system made with steel. The total recycled content of domestically produced, flat rolled aluminum used for the manufacture of American Metalcraft panel systems is estimated at

approximately 80%. The recycled content (40% of the total content) coming from post-consumer and post-industrial sources.

- Credit 4.2 Recycled Content. Due to the superior recycled Content of American Metalcraft Inc. panels (greater than 20%) they can qualify for an addition LEED® point under Credit 4.2.
- Additional LEED® points could be awarded for the use of American Metalcraft Inc. panels in other categories depending upon the location of the project and the design and construction process. It is therefore, important when assessing the potential contribution of American Metalcraft Inc. panels to the LEED® rating of a project to gain the fullest information possible at the earliest opportunity. Further information on the USGBC and LEED® may be obtained at www.usgbc.org

LEED™ Fact Sheet Aluminum Sheet & Plate for the Building & Construction Market

(LEED™ is Leadership in Energy & Environmental Design. The LEED Green Building Rating System™, as promulgated by the U.S. Green Building Council, aims to improve occupant well-being, environmental performance and economic returns of buildings using established and innovative practices, standards and technologies.)

RECYCLED CONTENT

A survey of aluminum producers in mid-2008 indicated that the total recycled content of domestically produced, flat rolled products for the Building and Construction market was approximately 85%. The survey of the producers also indicated that on average ~60% of the total product content is from post-consumer sources. While these numbers represent the industry average, higher post-consumer and total recycled content material may be available from individual producers. For information on the LEED™ program and to find out how you can earn credit for the recycled content of your aluminum products go to: http://www.usgbc.org/leed/leed_main.asp.

RECYCLABILITY

Not only does the aluminum used in the building and construction industry contain a high percentage of both post-consumer and post-industrial recycled content, at the end of its long, useful life in your building application it is **100% recyclable**. Aluminum building components can be repeatedly recycled back into similar products with no loss of quality, and aluminum in its various forms provides the most valuable component for most municipal recycling efforts.

To produce **aluminum from recycled material requires only ~5% of the energy** required to produce aluminum from bauxite ore, and every ton of recycled aluminum saves 4 tons of bauxite. Additionally, using recycled aluminum instead of raw materials reduces air pollution generation such as CO₂, SO_x, and NO_x by 95% and water pollution by 97%.

For additional information on aluminum products for the building and construction industry, please contact your local supplier.

www.aluminum.org



HULAMIN

ROLLED PRODUCTS

Environmental Recycled Contents Letter

| Alloy Description | Producing Facility | Post consumer Material (%) | Internal Process recycled material | Virgin Material (%) | Total Material (%) |
|--------------------------|---------------------------|-----------------------------------|---|----------------------------|---------------------------|
| 3003 | Hulamin/PMB | 0% | 78.12% | 21.88% | 100% |
| 3105 | Hulamin/PMB | 0% | 96.85% | 3.15% | 100% |
| 5052 | Hulamin/PMB | 0% | 81.19% | 18.81% | 100% |
| 9017/4017 | Hulamin/PMB | 0% | 100% | 0% | 100% |
| 6061 | Hulamin/PMB | 0% | 78% | 22% | 100% |

I certify that the above information is true. I further certify that these environmental claims for recycled content regarding these products are consistent with the Federal Trade Commission's Environmental Marketing Guidelines in accordance with PCC 12404. These guidelines are available at: <http://www.ftc.gov/bvp/gmrule/guides980427.htm>

Post consumer material is recycled material which is used material and sent for recycling, we do not use post consumer products in our processes.

Internal process recycled material consists of trim and cropping scrap from our internal manufacturing process.

Virgin material is that portion of the product made from new - non-recycled material.

The foregoing certifications are provided solely to the addressee of this Certificate and may not be used or relied upon by any person or entity other than the addressee for any purpose whatsoever. Under no circumstances may the addressee duplicate or provide a copy of this Certificate to any other person or entity, or represent to any other person or entity that the certifications made in the Certificate have been made by Hulamin Rolled Products.



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