

# EXTRUSIONS INC.

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## Extrusions Inc. LEED's Information

Extrusions Inc. is a manufacturer of aluminum extruded profiles for the building and construction market that is dedicated to operating its facilities as environmentally friendly as possible. The profiles are generally designed based on the customer's specifications and produced in various finishes such as mill, anodized, and painted, with or without thermal barriers. Aluminum extruded profiles are used in the production of residential and commercial window components, storefronts, interior architectural applications, tub and shower doors, industrial louvers among a variety of other products.

**Raw Materials:** The primary raw material used by Extrusions inc. consists of aluminum ingot, aluminum scrap and various alloys, which are purchased from domestic and other sources in open market purchases.

**Recycled Content:** The recycled content of secondary billet used by Extrusions Inc. for the production of 6063 and 6005A alloyed aluminum extruded profiles, consists of approximately 75% scrap aluminum, of which 70% is post industrial press scrap and 5% post consumer. This complies with LEED requirement for recycled content (MR credit 4.1 and 4.2). Secondary billet is available upon request.

**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 application it is 100% recyclable. Aluminum 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 CO<sub>2</sub>, SOX, and NOX by 95% and water pollution by 97%.

**Regional Materials:** Extruded aluminum profiles do not comply with LEED Regional Materials (MR credit 5.1 and 5.2) as aluminum is typically extracted, processed, and manufactured in foreign countries.

For your convenience a summary of Materials and Resources 4.1 and 4.2 is below.

Materials and Resources (MR Credit 4.1 and 4.2)

4.1: Recycled Content – 10% Post-Consumer + ½ Pre-Consumer

4.2: Recycled Content – 20% Post-Consumer + ½ Pre-Consumer

**Credit Requirements:** Use materials with recycled content so that the sum of post-consumer recycled content plus ½ of the pre-consumer recycled content constitutes at least 10% or 20% (based on cost) of the total value of materials for the project.

The content value of a material assembly shall be determined by weight. The recycled fraction of the assembly is then multiplied by the cost of the assembly to determine the recycled content value.

**Post-Consumer material:** waste material generated by households or by commercial, industrial, and institutional facilities in their role as end-users of the product, which can no longer be used for its intended purpose.

**Pre-Consumer material:** material diverted from the waste stream during the manufacturing process. Excluded is reutilization of materials such as rework, regrind, or scrap generated in a process and capable of being reclaimed within the same process that generated it.

For additional information contact Extrusions Inc. at 620-223-1111.