

Note: Supplier information has been removed, but the rest of the information has not been altered in any way

March 1, 2012

Re: LEED's - Use of Recycled Materials

Ref: Orders Placed for Bare Aluminum Extrusions in 6061, 6063, 6101 Alloys

Dear Valued Customer,

This letter is in response to your request for information concerning the use of recycled material content for bare, unfinished aluminum extrusions in 6061, 6063, and 6101. There are two categories specific to the "LEED Green Building Rating System":

1. Percent of post-consumer recycled content (purchased scrap from external sources) &
2. Percent of post-industrial recycled content (internal scrap that is reprocessed).

Our facilities operate what are considered secondary melting/casting operations for casting aluminum extrusion billet used as starting stock to produce aluminum extrusions. Raw materials consisting of purchased scrap, internal process scrap, primary aluminum, and alloying elements are melted in appropriate proportions depending on the alloy chemical composition requirements in our secondary casting operations to create the specified alloy extrusion billets. In comparison, extrusion billet cast at a primary aluminum smelter is typically produced from virgin primary aluminum refined from alumina with additions of appropriate alloying elements to achieve the desired alloy.

After reviewing data for materials used in casting our extrusion billet, we have determined the typical post-consumer and post-industrial scrap composition as noted below:

Alloy	Location	Post-Consumer Recycled Content	Post-Industrial Recycled Content
6063	PA	5%	5%
6063	UT	15%	5%
6061	PA	15%	40%
6061	UT	15%	40%
6101	PA	2%	0%
6101	UT	.05%	0%

Please note the content of this letter only applies to the facilities listed above. Extrusions provided by other facilities or other suppliers may have different scrap contents and those facilities should be contacted for documentation. Using this letter to describe scrap content on a project blended from multiple extrusion sources may not accurately reflect the true scrap content.