

Building a Circular Economy



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Al Taiseer Aluminium is working hard to productive uses for its waste – creating economic value and environmental dividends in the process.

We recognize that making products that help meet social and environmental challenges is not enough. It also matters how responsible those products are made. At Al Taiseer Aluminium we aspire to be measured amongst the world's most responsible metals companies in everything we do.

Reduce, reuse, and recycle for a circular economy

In April 2020, European Aluminium launched its Circular Aluminium Action Plan, a strategy for achieving aluminium's full potential for a circular economy by 2030.

The action plan aims to ensure that all end-of-life aluminium products are collected and recycled efficiently to maximize aluminium recycling rates and to keep the material in active use. It builds on the aluminium industry's Vision 2050 and provides policy recommendations for the sector to achieve full circularity.

Aluminium recycling rates are already among the highest of all materials. With the right policy framework in place, 50% of market demand for aluminium could be supplied through post-consumer recycling by the middle of the century.

As a result, aluminium recycling could reduce CO2 emissions by up to 39 million tons per year by 2050 compared to today, which corresponds to a reduction of 46% in CO2 per year in 2050, achieved mostly by replacing carbon intensive primary aluminium imports from outside countries with recycled domestic post-consumer aluminium.

Speaking about aluminium profiles

An aluminium frame has probably been anodized or powder coated. It may also contain thermal break - the insulation within the frame. Conversely, process scrap is basically 'clean' metal.

Recycling the aluminium from a window frame is a complex process with many steps. Inspection, separations, shredding, de-coating. The metal also needs to be x-rayed to determine alloying elements, and the segregated.

Why? Because different types of alloys should not be melted together if you want to have similar high-quality alloy back from the recycling loop.

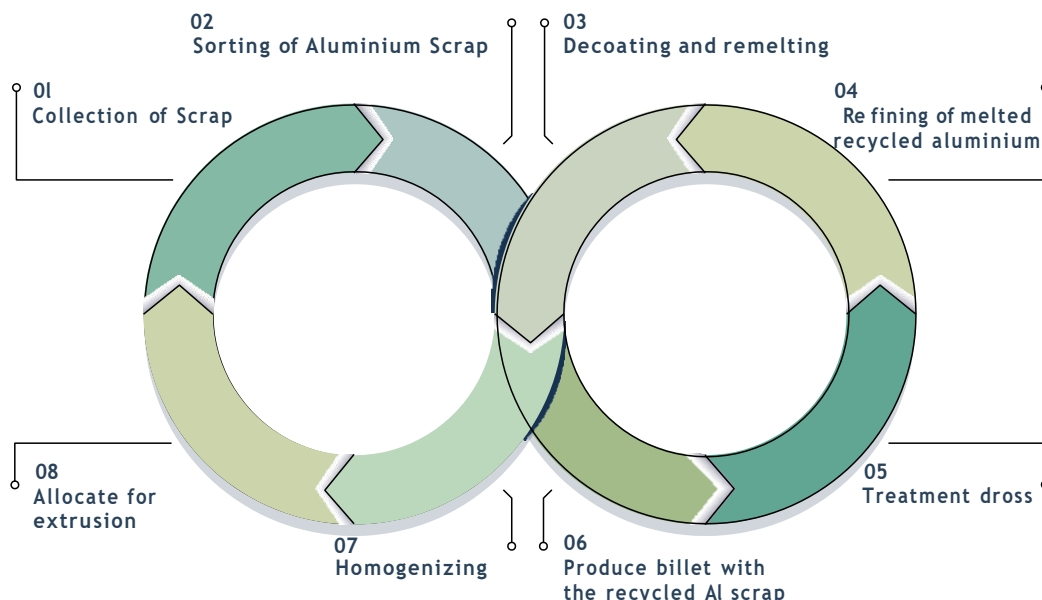
Al Taiseer is glad to adapt Cradle-to-Cradle (C2C) principles and have streamlined their Internal Process of Recycling & being part of the Post-Consumer Reutilizing Cycle. We are in the process of developing a product line which would have the highest possible Pre & Post consumer content. Our partnership with market leaders in Scrap Management is proving to be supporting our vision towards this progress. Though collecting post-consumer products are quite challenging compared to other material, our strategic intent, and actions like mentioning collection of our supplied products at end of its life cycle will certainly contribute towards our Material Circularity targets.

Meets Green Building Standards

Our aluminium system products meet standard green building certifications such as LEED, BREEAM and any similar Green Building Standards.

Inhouse Remelt Facility At TALCO

The Process of remelt is as follows:



01



Recycle Aluminium Scrap Yard.

02



Baled Aluminium Scrap.



Aluminium Billet Discard.

03



Aluminium Remelt Furnace.

04



Billets Awaiting Extrusion.

04



شركة ألمنيوم التيسير
AL TAISEER ALUMINIUM COMPANY