



Aluminum can recycling rate in Japan

94.0%

Vast majority of used cans reused as resources

Many people associate aluminum with beverage cans today. Fortunately, the vast majority of those cans are recycled. In fact, the closed-loop recycling rate of aluminum cans in Japan was 94.0% in 2020*. Besides aluminum cans, a broad array of things people regularly use, from smartphones and PCs to cars and bullet trains, are now being made with recycled aluminum parts and components. This adoption of recycled aluminum is helping drive progress towards a circular economy and a sustainable planet.

* According to the Japan Aluminium Can Recycling Association in 2020



CO₂ emission reduction from recycling

97%

97% of CO₂ emissions reduced when producing aluminum from scrap

Aluminum recycling is an effective method for reducing CO₂ emissions, a major cause of climate change. In fact, CO₂ emissions from the production of aluminum made from scrap is only about 3% of the emissions from the production of virgin aluminum from bauxite ore. About nine tons of CO₂ emissions can be reduced per one ton of recycled aluminum used.





CO₂ emission reduction per vehicle over 10 years

2 tons

Using aluminum to reduce vehicle weight results in lower CO₂ emissions at the usage stage

Lighter vehicles emit less CO₂. Therefore, auto makers have been using more and more aluminum each year to reduce vehicle weight amid stricter fuel efficiency regulations. While the production of virgin aluminum emits more CO₂ than steel production, aluminum's contribution to reducing vehicle weight greatly lowers CO₂ emissions at the vehicle usage stage. Over a ten-year period of usage, an automobile made with aluminum body panels can reduce CO₂ emissions by about two tons compared with automobiles made with no aluminum body panels.



Strong



Lightweight



Non-toxic

Making more use of aluminum's potential

non-magnetic



Corrosion
resistant

