

ALIPLAST & CRADLE TO CRADLE

A GUARANTEE FOR A SUSTAINABLE FUTURE



Cradle to Cradle Certified™ products are :

- Sustainable products suitable for the circular economy
- Products with a positive impact on people and planet
- Products fulfilling five critical sustainability measures

The certification is executed by an independent certification institute.

Aliplast Aluminium Systems was successfully evaluated on these 5 points



**material
health**

Aluminium is produced from bauxite ore which is in abundant supply. Once mined and refined, it can be rolled, cast or extruded. As Aliplast is vertically integrated (from billet to extrusion - from surface treatment to the coating of the profiles - from insulation and packaging) we have full control over the material usage until the manufacture the final product. We know that there are no harmful substances in our systems.



**product
circularity**

Aluminium windows and doors have a life cycle of 50 years on average. It can be melted down, shaped and reformed without losing quality. This makes aluminium 100% recyclable. Aliplast mainly uses secondary aluminium billets for the architectural systems. This aluminium is "Green Metal". In addition, the process waste from extruded aluminum profiles and painted / insulated scrap is melted and transformed into new billets. The energy required for this is only 5% of the energy used to make a new billet from raw materials. In 2021 we melted more than 4000 Ton of "aluminum scrap", which ensures that we have a recycling percentage of 60%, compared to the total aluminum purchased.



**clean air &
climate
protection**

Recycling 0,5 kg of aluminum saves around 7 kWh of electricity. And recycling 1 ton of aluminum saves 9 tons of CO2 emissions. Thanks to 'Integration under one roof' ideology, we save 750 lorry trips/year which results in a reduction in CO2 emissions of 135 tons. The electrification of our own vehicle fleet is also ongoing. In addition, Aliplast sources sustainable energy from 5.400 solar panels with a capacity of ± 1.600.000 kWh of green electricity per year, saving 664 tons in CO2. In addition to our own alternative energy, we only purchase green electricity. So we use 100% green energy. In addition, the CO2 emissions in the production of certified systems are 100% compensated, making Aliplast CO2 neutral. That's why **we achieved GOLD in this category.**



**water & soil
stewardship**

We also choose "less" when it comes to water and chemicals. Extra low-volume flushing systems in both our painting shops have led to a reduction of wastewater from 80m³/day to 16m³/day. The water consumption has been reduced with 5% per annum over the last 5 years.



**social
fairness**

Aliplast offers social benefits to his employees, like retirement schemes, health insurance, labour accident insurance, discounts at partner companies and the possibility to lease bikes. We apply strict criteria when selecting our suppliers. We support solidarity actions such as 'Stand up against cancer', 'MS Liga', 'Youca Actions Day', 'Emily Leus', local schools and planting a forest. Aliplast received the 'Inclusive Enterprise' award.



Cradle to Cradle: Remaking the Way We Make Things

The buildings we design today, determine the life of future generation. Therefore, Aliplast is continuously engaged in investigating new solutions to apply circular principles into practice in order to strive for a circular economy in which the resource cycles are closed. We want our buildings to be ecologically, economically and socioculturally future-proof. Our goal is 100% waste-free.

OUR CERTIFIED SYSTEMS :

