BECKER ALUMINIUM-SERVICE GMBH

Environmental Profile of Our Aluminium Products

Public Summary of the Life Cycle Assessment · Bönen Site · Reporting Year 2025

As an ASI-certified company, we assess the environmental impacts of our main product lines over their life cycle and disclose the underlying assumptions and system boundaries. This summary presents the key results for Becker Aluminium-Service GmbH at the Bönen site.

Result

For our total incoming goods in 2025, the weighted greenhouse gas impact from raw material extraction to the factory gate (cradle-to-gate) is **around 8.9 t CO2e per tonne of aluminium.** Volume coverage is 100 percent, and a substantial share is backed by supplier-specific environmental data.

Impact Categories Assessed

Our assessment is not limited to climate. For the volume-relevant input materials, we consider the impact categories under EN 15804+A2:

- Climate change (global warming potential), ozone depletion, acidification, eutrophication, photochemical ozone formation (summer smog), resource use (mineral, metallic and fossil) and water.

The focus of all impact categories lies in the upstream chain, that is in primary and semi-finished production. Our own on-site contribution is small, because we only cut, slit and finish aluminium and do not smelt or roll it ourselves. We therefore report the global warming potential as the lead indicator and document the further categories as evidence of completeness.

Assumptions and System Boundaries

Characteristic	Specification
System boundary	cradle-to-gate, modules A1 to A3 (raw materials, transport, production of the input material up to the Bönen factory gate)
Functional unit	1 tonne of aluminium at the Bönen factory gate
Reporting year	2025, most recent completed calendar year
Data basis	mixed model: supplier-specific EPDs and PCF values, supplemented by recognised European industry data (European Aluminium)
Method	simplified screening LCA with representative data, in line with the ASI Guidance on Criterion 4.1
Standards	EN 15804+A2, ISO 14040, ISO 14044, ISO 14025, ISO 14067

Notes

- The figures apply to the Bönen site of Becker Aluminium-Service GmbH and relate to purchased semi-finished aluminium.
- Product-specific cradle-to-gate information is provided to customers on request.
- We review and update this environmental profile annually in the spirit of continuous improvement.