

Aluminium with nothing to hide

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Speira: Lifecycle thinking

Our name is a message: 'Speira' ['spira] comes from Greek and stands for a spiral of growing influence that originates from a strong core and uplifting performances. It also stands for the circularity of production, using and recycling, again and again.



A major European aluminium roller and recycler

>5,000

employees

€ 3.4 billion

2024 revenue

1 mn t

rolled products / year

650 kt

recycling capacity



Each of our coils is unique!

Casting

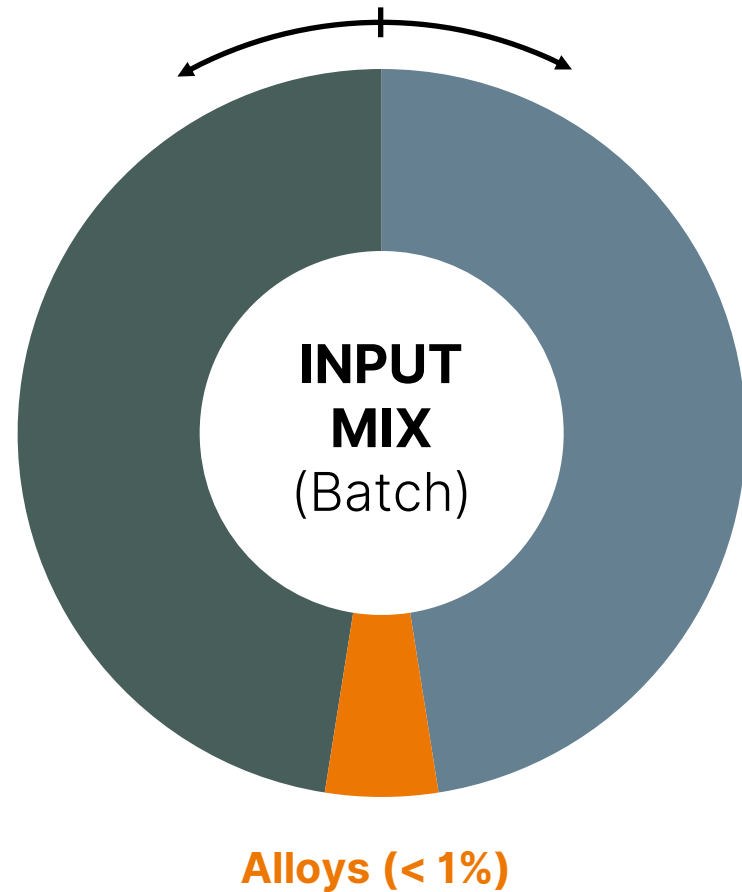
Chemical Composition
Recycled Content
Carbon Footprint



Rolling

Rolling Parameter
Heat Treatment
Surface Modification

What determines the carbon footprint?




kg CO₂ / kg AL

PRIME

Increased use of renewable energy in prime aluminium production

EGA  **8,6**

 Hydro **3,4**

SCRAP

Increased scrap rate

Internal / Runaround Scrap **4,1**

Pre-Consumer Scrap **0,3**

Post-Consumer Scrap **0,3**

OTHER

CO₂ emissions of melting, casting and rolling are low in comparison **0,4-0,6**

Each of our coils is unique.

The speira.ID - our Digital Product Passport describes the uniqueness of each coil.

speira.ID

www.speira.id



Coil 9623503020

Customer

Rolling Mill **AluNorf (Neuss, Germany)**

Delivery Date **23.12.2025**

Casthouse **Rheinwerk (Neuss, Germany)**

Casting Date **01.12.2025 (09:25)**

Dimension **0.240 × 1783.9 mm**

Recycled Content

94% Scrap

Carbon Footprint

0.9 kg CO₂/kg Al

Product

VERO ORBIS

Alloy (Temper)

EN/AW3104 (H19)

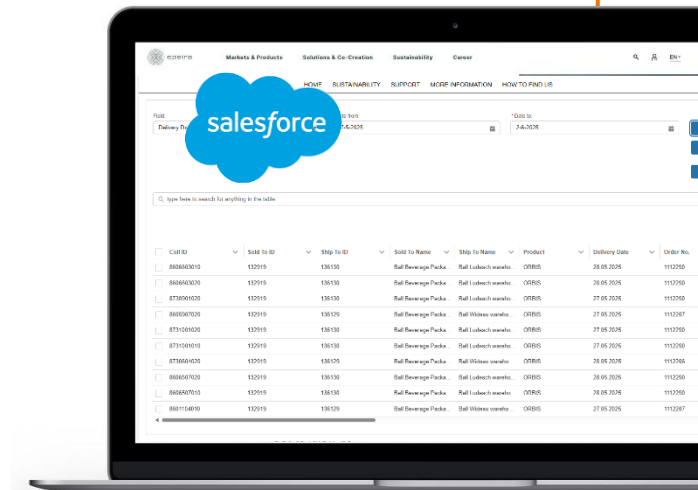
Batch #

89084 (76t)

Input Mix	%	Chemical Composition	%
Used Beverage Cans	48.8	Silicon (Si)	0.3
Post-Consumer Scrap	0.1	Iron (Fe)	0.5
Pre-Consumer Scrap	29.9	Copper (Cu)	0.18
Internal Orbis Scrap	16.9	Manganese (Mn)	0.8
Alloys Recycled	0.0	Magnesium (Mg)	1.0
Runaround Scrap	4.1	Zinc (Zn)	0.08
Prime	0.0	Titanium (Ti)	0.03
Alloys	0.2		



The speira.ID, our Digital Product Passport, can be downloaded by our customers via our Customer Portal





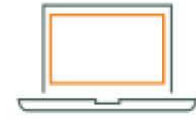
**Recording the
use of materials in
the foundry**



**Processing the data
and calculating the
CO2 footprint**



**Creation of
speira.ID, our digital
product passport**



**Provision of
speira.ID via our
customer portal**

speira.id

Transparency

Compliance

Success

What's the value for our customers?

Transparency

Transparency

With speira.ID, our Digital Product Passport, our customers gain insight into all relevant information about the supplied coil, such as carbon footprint, recycled content, input mix, chemical composition and more – for maximum transparency along the value chain. Simple, precise and, above all, verifiably correct. A milestone in terms of traceability.

Compliance

Success

What's the value for our customers?

Transparency

Compliance

Compliance

Data creates trust. speira.ID is setting a new industry standard. For the first time, environmental and product data is recorded and made available transparently along the value chain – from input materials to finished products. For our customers, this means less effort spent on data collection, simplified ESG reporting and better compliance with regulations.

Success

What's the value for our customers?

Transparency

Compliance

Success

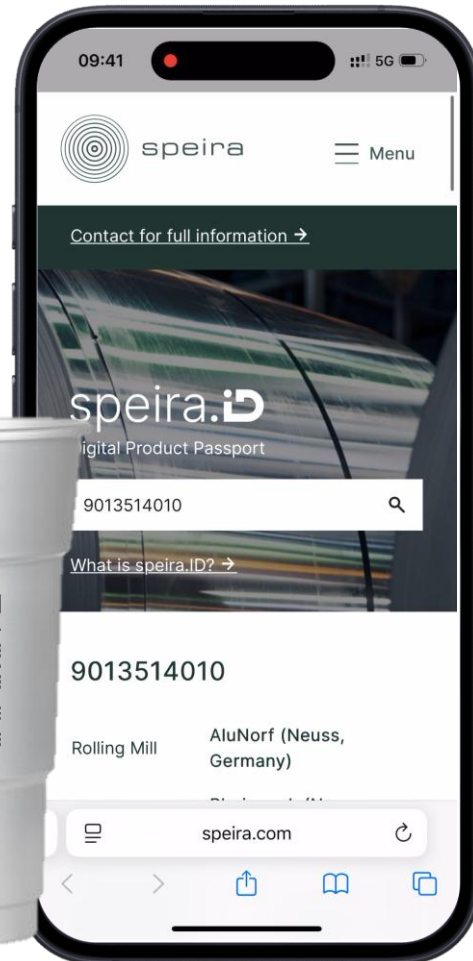
Success

Sustainability is a key purchasing criteria, increases brand value and thus helps our customers to become more successful. With the help of speira.ID, our customers no longer simply sell a product, but tell a story – the story of a sustainable product made from sustainable aluminium, our aluminium.

What's the value for our customers?

Your product is much more than a product, with the speira.ID your product tells a story

*Your physical
product*



*Your digital
experience*



www.speira.id