



Aluminium Powder



About ASAŞ



SAKARYA - TÜRKİYE



NEUWIED - GERMANY



RUGLES - FRANCE

Founded in 1990, **ASAŞ** is one of Europe's leading industrial companies, operating state-of-the-art production, logistics, and R&D facilities across **Türkiye, Germany, and France**. With over **3,000 employees** and exports to more than 90 countries, ASAŞ creates end-to-end value for strategic global sectors.

Driven by continuous investment, innovation, and a strong global footprint, ASAŞ serves as a single-source solution partner with extensive manufacturing capabilities across its integrated locations:

Türkiye (Sakarya): Integrated production hub covering **1,450,000 m²** total area (450,000 m² enclosed) for Aluminium Extrusion, Flat Rolled Products, Architectural Systems, Composite Panels, PVC, and Advanced Technologies.

Germany (Neuwied/Koblenz): European logistics hub and Robotics Education, Research, and Application Center operating on an **880,000 m²** site.

France (Rugles): ASAŞ S.A.S. operating a **130,000 m²** facility specialized in high-quality aluminium foil production for packaging, pharmaceutical, and automotive sectors.

Production capacities in our integrated facilities:

Aluminium Extrusion Profiles:

- **Aluminium Billet:** 130,000 tons/year
- **Aluminium Profile:** 130,000 tons/year
- **Anodized Aluminium Profile:** 40,000 tons/year
- **Powder Coated Aluminium Profile:** 24,000 tons/year

Aluminium Flat Rolled Products:

- Casting: 150,000 tons/year
- Rolling: 250,000 tons/year
- Foil: 100,000 tons/year
- Pre-painted Sheet: 50,000 tons/year
- Lacquered Foil: 10,000 tons/year

Aluminium Composite Panel: 8,000,000 m²/year

PVC Profile: 35,000 tons/year

Lamella Roller Shutter: 30,000,000 linear meters/year

Door & Window Systems: 150,000 units/year

Aluminium Foam Plant:

- **Aluminium Powder:** 10,000 tons/year
- **Aluminium Foam:** 5,000 tons/year (Till 2030)

Video



Aluminium Powders & Grits

Engineered broad industrial applications, this fully integrated system utilizes controlled inert grinding and rigorous purity control to mechanically deliver high-purity aluminium powders with consistent particle-size classes, stable chemistry, and traceable batches-ensuring predictable performance and reliable supply across multiple advanced industries.



AT A GLANCE

A grinded & screened aluminium product family designed for industrial supply, technical qualification and application-specific use.

- Available in defined particle-size ranges.
- Produced from 100% recycled aluminium.
- Manufactured using 100% renewable electricity.
- Suitable for qualification according to customer process requirements.
- Supported by controlled production, quality release and traceability.

Particle Size
Defined screened
ranges for industrial
qualification

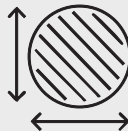
Sustainability
100% recycled
aluminium and
renewable electricity.



Recyclability
100% recycled
aluminium feedstock



**High Heat
Release**



**Wide Spesific
Surface Area**



**Chemical
Reactivity**

Controlled Mechanical Powder Production

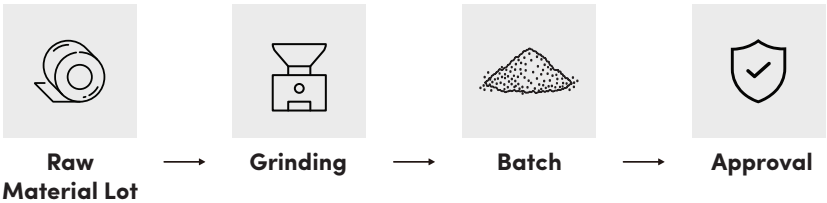
A scalable route from recycled aluminium feedstock to controlled screened particle-size products.



10,000 tons/years

ANNUAL PRODUCTION CAPACITY

Feedstock	100% recycled aluminium
Energy	100% recycled aluminium
Process	Mechanical grinding
Atmosphere	Inert nitrogen environment
Classification	Controlled screening
Design	ATEX-oriented process design



Controlled Mechanical Powder Production

A scalable route from recycled aluminium feedstock to controlled screened particle-size products.



< 2 mm - Coarse



< 1 mm - Medium



< 250 μm - Fine



< 100 μm - Very Fine

Controlled Mechanical Powder Production

A scalable route from recycled aluminium feedstock to controlled screened particle-size products.



Iron, Steel & Ferroalloy Industry
Steel and slag deoxidation
Aluminothermic ferroalloy production



Foundry & Casting Consumables
Exothermic feeder sleeves
Hot-top compounds



Chemical & Construction Materials Industry
Autoclaved aerated concrete (AAC)
Plasters, mortars & screeds



Refractory Materials
Expansion / pore-forming formulations
Insulating refractory mixes



Composites & Friction Materials
Friction lining formulations
Metal-filled composite compounds



Welding & Rail Systems
Aluminothermic rail welding
Electrode / cored-wire formulations

From Raw Material to Released Lot

Each supplied lot is designed to remain connected to its production, inspection and packaging records.



TRACEABILITY

- Unique powder batch and supplied-lot identification
- Raw material → grinding → screening → packing linkage
- Package linked to final recorded weight

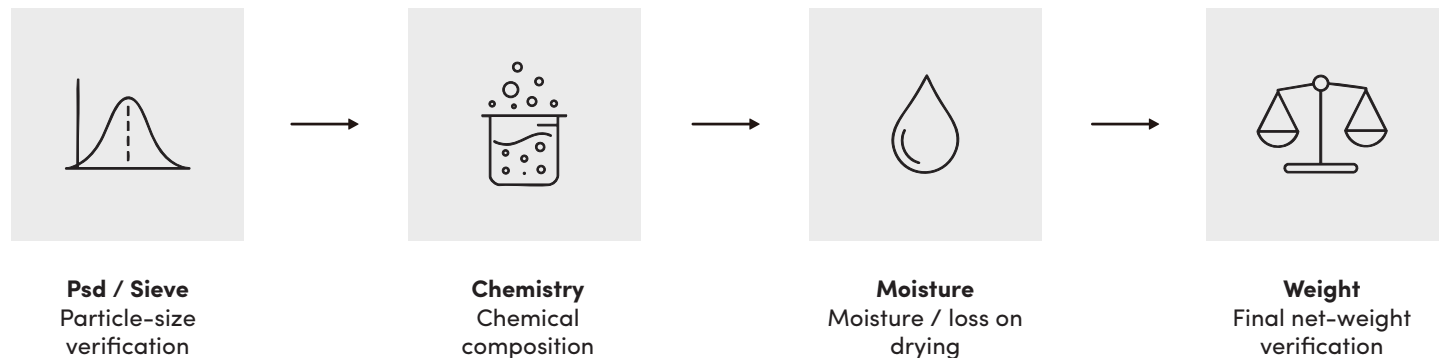
QUALITY RELEASE

- QC sampling before release
- Particle-size verification / sieve analysis
- Pass / hold / quarantine status recorded

QUALITY RELEASE

- Lot-linked production and quality records
- Customer label with unique lot identification
- Agreed test results / certificate documentation where applicable

Key Quality Checks





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