



ZINC DUST CATALOG 2025



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ZINC POWDER CATALOG - INTRODUCTION

Zinc powder holds strategic importance among industrial raw materials and metal-based products. It has broad uses, including coating technologies, metallurgy, chemical processes, paints, and anti-corrosion applications.

At ATSO TEK, we deliver this critical raw material with high purity, a consistent supply chain, and dependable logistics.

Catalog products:

- ✓ Purity 99.7% or higher
- ✓ Powder form, processed and ready for use
- ✓ Suitable for galvanizing, colorant production, explosive production, chemical reactions, and metalworking.

Zinc powder, composed of fine, spherical particles, is a gray metallic form of zinc. Produced by condensing zinc vapors, it offers high corrosion resistance and broad industrial utility. As a core component in many products and formulations, it is vital in multiple sectors.

Applications:

Commonly used in zinc-rich protective coatings. Essential for manufacturing ethyl silicate-based paints that shield steel from corrosion. These coatings increase the service life of structures in demanding settings like offshore oil platforms, steel bridges, and petrochemical facilities.

In marine equipment and ship maintenance, zinc powder's anti-corrosion features strengthen metal surface durability. It is also used in making pigments, batteries, and chemical compounds, playing a key role in modern industry.

2-4 MICRON(SUPERFINE) TECHNICAL SPECIFICATIONS

Property	Unit	Typical Value	Limit	Test Method
Particle size (d0.5)	µm	3.5	2-4	Laser diffraction
Sieve Residue (32 µm)	% max	0.01	0.1	ISO 3549
Total Zinc	% min	99.0	98.0	ISO 3549
Metallic Zinc	% min	96.0	94.0	ISO 3549
Lead (Pb)	% max	0.05	0.1	ISO 3549
Cadmium (Cd)	% max	0.05	0.05	ISO 3549
Iron (Fe)	% max	0.001	0.05	ISO 3549
Arsenic (As)	% max	0.0001	0.0005	ISO 3549
Chloride (Cl)	% max	0.001	0.005	ISO 3549
Acid-insoluble	% max	0.02	0.05	ISO 3549
Color	-	Bluish Gray	-	Visual
Shape Specific	-	Spherical	-	SEM Technique
Gravity	-	7.0 - 7.2	-	ISO 787/10

4-5 MICRON(FINE) TECHNICAL SPECIFICATIONS

Property	Unit	Typical Value	Limit	Test Method
Particle size (d0.5)	µm	5	4-6	Laser diffraction
Sieve Residue (45 µm)	% max	1	4	ISO 3549
Sieve Residue (90 µm)	% max	Nil	0.1	ISO 3549
Total Zinc	% min	99.0	98.0	ISO 3549
Metallic Zinc	% min	96.0	94.0	ISO 3549
Lead (Pb)	% max	0.05	0.1	ISO 3549
Cadmium (Cd)	% max	0.05	0.1	ISO 3549
Iron (Fe)	% max	0.001	0.05	ISO 3549
Arsenic (As)	% max	0.0001	0.0005	ISO 3549
Chloride (Cl)	% max	0.001	0.005	ISO 3549
Acid-insoluble	% max	0.02	0.05	ISO 3549
Color	-	Bluish Gray	-	Visual
Shape	-	Spherical	-	SEM Technique
Specific Gravity	-	7.0 - 7.2	-	ISO 787/10

Packaging Options:

• Paper bags: 25 kg

• Metal drums: 25-50 kg

• Bulk bags: 250-1000 kg