

ZINC WIRE

Metallurgy



CINKARNA

WHO ARE WE?

Cinkarna Celje, d.d., is a modern Slovenian metallurgical and chemical processing company with a diverse production and sales program. Our offer is expanded and adapted with keen awareness of our customers' needs and environmental issues. Our range includes titanium dioxide pigment, sheet manufacturing, graphics supplies, masterbatches, powder coatings, anti-corrosion coatings, tile adhesives, and products for chemical protection of plants.

TRADITION

Cinkarna is a company with formidable tradition as the beginnings of manufacturing date back to 1873. Tradition, years of experience, and visibility are the hallmarks of our production program.

QUALITY

Our policy of high quality and responsible attitude to our business partners, shareholders, employees, and the environment is consistently pursued throughout the production process. This is witnessed by our certificates: ISO 9001, ISO 14001, and BS OHSAS 18001. Development of products and choice of technology is aimed at production of quality products.

MARKET ORIENTATION

Satisfied customers are the fundamental goal of Cinkarna's quality management policy. We are a market-oriented company constantly striving for improvement, development, flexibility, and reliability. We have a keen feel for the needs of the market and we are happy to help our customers find the optimum solutions for them.

CARE FOR THE ENVIRONMENT

We understand the notion of sustainable development as a responsibility to the environment and the society, which permeates Cinkarna's vision, mission, and development plan. We use maximum care and employ state-of-the-art technology to preserve the nature for the generations of tomorrow while meeting today's needs. Our key goals are to reduce power consumption and emissions into the environment.

Metallurgy

Titanium zinc sheets

Zinc wire

Zinc alloys - Zamak

Zinc anodes

At Cinkarna, zinc wire is manufactured according to the Properzy procedure, and used for anti-corrosion protection of metals by metallizing and for condenser unit treatment (edge coating). The quality complies with the following standards: DIN EN ISO 14919, EN 1179.





We manufacture

Packaging coils, 25 kg each.
 barrels, 250 kg each

Zinc wire

Purity of the zinc used: 99.995%	Specific weight: 7.2 kg/dm ³	wire thickness	tolerance	weight per 1000 m in kg
Pb - max 0.007 %	Tensile strength: 100 – 120 MPa	1,60 1/16	+ 0,00	14,7
Cd - max 0.004%	Extensibility (elongation before breakage): 40 – 70%	2,00	- 0,06	22,5
Cd + Pb: max 0.011%	Hardness: 27 – 35 HV	2,50		35,0
Sn - max 0.001%		3,00		50,4
Fe - max 0.005%		3,18 1/8	+ 0,00	356,3
Cu - max 0.002%			- 0,07	
Impurities: max. 0.01%		4,16		127,40





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Metalurško - kemična industrija Celje, d.d.
p.p. 1032 T +386 (0)3 427 60 00
Kidričeva 26 F +386 (0)3 427 62 92
3001 Celje E marketing@cinkarna.si
Slovenia www.cinkarna.si



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