

ZINC ALUMINUM ALLOY WIRES



Experience & Expertise in Zinc Technology



An alloy of **85%** zinc and **15%** aluminum provides steel with optimum protection against corrosion.



Flexible quantities, a variety of diameters and a range of available ZnAl alloy wires

The zinc alloy wires that we produce are suitable for arc and flame spraying processes. ZnAl alloy thermal spraying for example gives the steel made objects a high corrosion protection against various environmental impacts. ZnAl wires are well known for their ease of machinability, which is why they are also used in the welding and soldering sector.

ZnAl Alloy wires are used in cathodic corrosion protection for steel structures such as bridges, fences, dam gates and windmill. Zinc alloy wire sprayed coatings are integral steps in manufacturing of various electronic, capacitor, automotive, heat exchanger and tube and pipe products. In addition the product is also used in the corrosion protection of gas cylinders, tanks, boat trailers, other marine equipment and iron pipes.

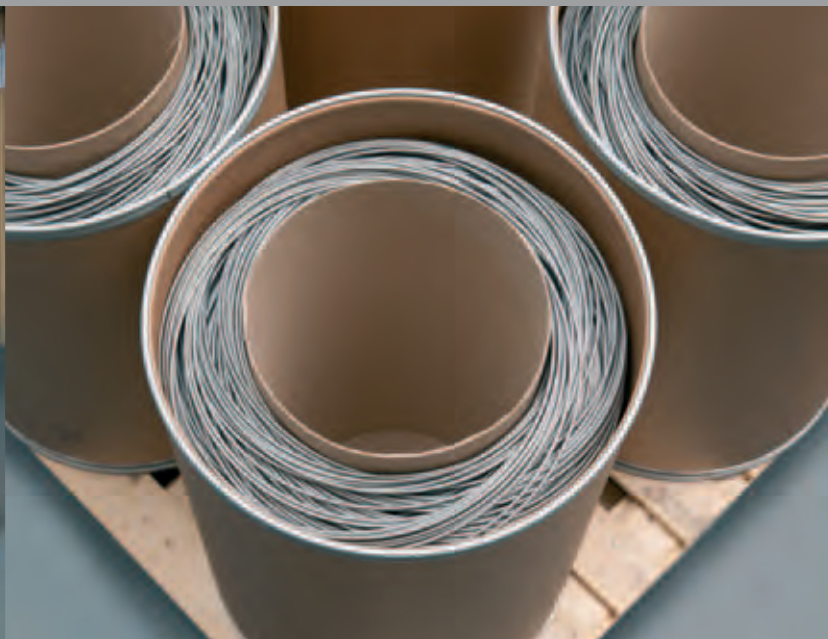


Vertic Alloy Wires

Alloy wires are manufactured of Special High Grade Zinc 99,995% and alloy elements meeting the relevant standards. Our alloy product range includes alloys ZnAl15, ZnAl4, ZnAl2, Zinc Manganese and other alloys are available on request.

The standard diameters of the wire are 1,2 - 6,4 mm (according to EN ISO 14919: 2001). Other diameters are available according to the customers needs. Vertic alloy wires are available in spools, coils or drums.

85%
Zn
15%
Al



Metallurgical Characteristics

	ZnAl15	ZnAl4	ZnAl2
Zn/Al %	85/15	96/4	98/2
Density g/cm ³	5,73	6,70	6,91
Melting Interval °C	382 - 450	382 - 387	382 - 407



Optimal protection against salt

- ZnAl15 is a product, which consists of 85% zinc and 15% aluminum by weight. It creates the optimum corrosion resistance against sodium chloride (salt) and sulfur dioxide in marine environments.

Best for spraying

- ZnAl4 and ZnAl2 are used as a coating sprayed onto steel. The alloy produces a coating with the best anti-corrosion characteristics of both metals for optimum corrosion protection along with many uses as a solder wire.

Long lasting protection

- Thermal spraying with ZnAl15 can be easily applied to a properly blasted surface up to a 0,5mm thickness in just one application. The coating is dry on contact allowing sealers and/or topcoats to be applied immediately when specified. One application can last over 15 years without the need for maintenance.

Vertic - the trusted partner with

High Quality

Quality comes from experience

Environmental values

Less impact on the nature

Location

Close to harbors

Ambition

Innovative production system

Experience

Long-term history in zinc technology

Cost-efficiency

Less interruption

Purity

Minimum amount of impurities often exceeding our customers required specifications

Vertic Zinc Wire is a Finnish family-owned company exporting first class zinc wire, zinc rod, zinc ball anodes and zinc alloy wires globally. Our zinc products are the purest and cleanest in the world. We offer our customers only the highest quality with low energy consumption and carbon footprint. Now in the second generation our expertise gained in metal manufacturing has enabled us to offer a range of zinc products leading to our continued growth and success.

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