

VERTIC ZINC WIRE OY

Kiikkupaikantie 7
FIN-28600 PORI
FINLAND
Tel. +358 2 631 7800
e-mail: sales@vertic.fi
VAT No.: FI09744735



Material Data Sheet

Zinc Wire – Thermal Spray Material
ISO 14919:2023 - 2.1 Zn99,99

Vertic Zinc wires are manufactured from high-purity electrolytic zinc ($Zn \geq 99,995\%$ EN 1179: Z1). They are suitable for flame and arc spraying. The chemical composition of Vertic Zinc wire complies with the requirements of International Standard for thermal spray material ISO 14919:2023 - 2.1 Zn99,99.

	typical values	ISO 14919
Zn	$\geq 99,995\%$	$\geq 99,99\%$
Other elements:		
Pb	0,0012 %	$\leq 0,007\%$
Cd	0,0002 %	$\leq 0,004\%$
Pb + Cd	0,0014 %	$\leq 0,011\%$
Sn	0,0001 %	$\leq 0,001\%$
Fe	0,0002 %	$\leq 0,005\%$
Cu	0,0003 %	$\leq 0,002\%$
other total	0,002 %	$\leq 0,12\%$

Typical mechanical properties:	Tensile strength Rm	Elongation A100
wire grades	Soft < 100 (± 5) MPa	60 - 100 %
	Medium 100-120 (± 5) MPa	40 - 80 %
	Hard > 120 (± 5) MPa	30 - 60 %
Density	7,14 g/cm ³	
Melting point	419,6 °C	

Diameter:

All standard sizes are available in wire diameters between 1,60 mm ... 4,76 mm. The diameter tolerance is between +0 / -0,05 mm ... -0,07 mm (depending on nominal wire diameter). Other diameters on request.

Packaging:

- Endless in fibre drums
- Endless in metal drums
- Coils
- Spools

The measurements provided are based on our own measurements, they do not represent any guarantee of the properties.
There are no delivery specifications.