

# VERTIC ZINC WIRE OY

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## Material Data Sheet

Zinc-Aluminium Wire – Thermal Spray Material – 2.5 – ZnAl15  
according to DIN EN ISO 14919

### Material:

Vertic Zinc-Aluminium wires are manufactured from high-purity electrolytic zinc and aluminium. They are suitable for flame and arc spraying. The purity corresponds to the thermal spray material 2.5 – ZnAl15 according to DIN EN ISO 14919.

### Chemical composition:

ZnAl15 wires according to DIN EN ISO 14919 (Wires, rods and cords for flame and arc spraying)

	typical values	DIN EN ISO 14919
Zn	85.5 %	84 - 86 %
Al	14.5 %	14 - 16 %
Other elements:		
Pb	≤ 0,002 %	≤ 0,005 %
Cd	≤ 0,0003 %	≤ 0,005 %
Pb + Cd	≤ 0,0025 %	≤ 0,006 %
Sn	≤ 0,0003 %	≤ 0,001 %
Fe	≤ 0,015 %	≤ 0,05 %
Cu	≤ 0,002 %	≤ 0,01 %
Si	≤ 0,01 %	≤ 0,12 %
total	≤ 0,03 %	≤ 0,17 %

### Typical Mechanical / Physical Properties:

Tensile strength Rm	130 – 170 MPa
Yield point Rp <sub>0,2</sub>	80 – 120 MPa
Elongation A <sub>100mm</sub>	min. 50 %
Density	~ 5,73 g/cm <sup>3</sup>
Melting range	~ 382 - 450 °C

### Diameter:

All standard dimensions for standard metal spray guns are available in diameters of 2,0 – 4,76 mm. The diameter tolerance is (depending on nominal diameter wire)  
+0 / -0,06 to 0,07mm. (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.