

**Zinacor® Z850 / Z851 - Thermal Spray Material
2.3 - ZnAl15 according to DIN EN ISO 14919****Material:**

Zinacor 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 2.3 - 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	84 - 86 %	84 - 86 %
Al	14 - 16 %	14 - 16 %
Other elements:		
Pb	≤0,003 %	≤0,007 %
Cd	≤0,001 %	≤0,004 %
Pb + Cd	≤0,004 %	≤0,011 %
Sn	≤0,001 %	≤0,001 %
Fe	≤0,015 %	≤0,02 %
Cu	≤0,002 %	≤0,01 %
Si	≤0,01 %	≤0,12 %
Other total	≤0,03 %	≤0,17 %

Mechanical / Physical Properties:

Tensile strength Rm	110 - 150* ¹⁾	Mpa
Yield point Rp _{0,2}	80 - 130* ¹⁾	Mpa
Elongation A _{100mm}	min. 50* ¹⁾	%
Density	~ 5,73	g/cm ³
Melting range	~ 382 - 450	°C

*typical measured value/depends on the diameter

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 -0,07 mm. (other diameters on request)

Packing:

- 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.

Certified Management system according to:

**DIN EN ISO 9001
DIN EN ISO 14001**



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