

# AX-Zn 99.99 (spray wire)

## Standard

DIN EN 1179	Z1 (Pure zinc 99.995)
Alloy designation	Zn99.99

## Area of application

Spray wire for overlays of zinc for electric arc wire spraying.

## Special hints

## Composition of the filler rod/filler wire (typical data in %)

Zn	Pb	Cd	Sn	Cu	Fe	Al
Basis	<0.003	<0.003	<0.001	<0.001	<0.002	<0.001

## Important base materials

## Material properties

Tensile strength $R_m$	[MPa]	100-120
Yield strength $R_{p0.2}$	[MPa]	40-90
Elongation $A_{100mm}$	[%]	>40
Density	[g/cm <sup>3</sup> ]	7.14
Melting point	[C°]	approx. 419

## Applicable shielding gases (EN ISO 14175)

Argon I1

## Approval

(Request current scope if required)

## Product forms (other dimensions available on request)

Spool	Ø mm	1.6	2.0	2.5	3.17	4.0	4.76
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# AX-ZnAl15 (spray wire)

## Standard

DIN EN 1179  
Alloy designation

ZnAl15 (zinc with 14-16 %Al)  
ZnAl15

## Area of application

Spray wire for overlays of zinc-aluminium alloys for electric arc wire spraying. AX-ZnAl15 offers greater corrosion protection than Al-Zn99.99 with lower consumption.

## Special hints

## Composition of the filler rod/filler wire (typical data in %)

Zn	Al	Cd	Sn	Cu	Si	Fe	Pb
Basis	14-16	<0.003	<0.001	<0.001	<0.12	<0.05	<0.003

## Important base materials

## Material properties

Tensile strength $R_m$	[MPa]	120-180
Yield strength $R_{p_{0.2}}$	[MPa]	80-110
Elongation $A_{100mm}$	[%]	>35
Density	[g/cm <sup>3</sup> ]	5.73
Fusion range	[C°]	380-450

## Applicable shielding gases (EN ISO 14175)

Argon I1

## Approval

## Product forms (other dimensions available on request)

Spool	Ø mm	2.5					
25 kg							