

# PRODUCT DATA SHEET

## Afrox Alumoid



Afrox Alumoid is a 12% silicon aluminium arc welding electrode with exclusive self-lifting slag. It is designed for arc welding wrought and cast aluminium alloys, alloyed with copper, silicon and magnesium. Also excellent for joining dissimilar grades of aluminium. Can also be used as a torch brazing alloy.

### Classifications

AWS	A5.3	E4047
DIN	1732	EL-AISi12

### Typical Chemical Analysis (All weld metal)

% Manganese	0,04	% Copper	0,23
% Aluminium	Bal.	% Magnesium	0,04
% Silicon	11,8	% Zinc	0,08
% Iron	0,8		

### Typical Mechanical Properties (All weld metal in the as welded condition)

0,2% Proof Stress	180 MPa
Tensile strength	300 MPa
% Elongation	7

### Packing Data

Diameter (mm)	Electrode Length (mm)	Current (A)	Pack Mass (kg)	Item Number
2,5	350	50 - 80	Sleeve	W072112
3,25	350	70 - 120	Sleeve	W072113
2,5	350	50 - 80	2,0	W076112
3,25	350	70 - 120	2,0	W076113
4,0	350	110 - 150	2,0	W076114

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