

Wire type:

OAW Cored wire

Welding positions:



Shielding gas:

Oxy-acetylene

Fluxcored Aluminium 5Si is our flux cored aluminium wire rod for oxy-acetylene gas welding, repairing and surfacing forged and cast aluminium-silicon alloys and joining dissimilar aluminium alloys with max. 7%Si content. The internal flux core makes the need of additional fluxes unnecessary.

Base materials to be welded:

- Aluminium-MgSi alloys
- Aluminium-Mg alloys up to 2,5% Mg
- Aluminium-MnCu alloys
- Aluminium-Si cast alloys
- Joining dissimilar aluminium alloys

Applications:

- General fabrication & construction (aluminium base metals)
- Shipbuilding & Offshore
- Repair & Maintenance

Equivalent product in alternative welding process:

SMAW	GMAW	FCAW	GTAW	SAW	Gas welding / brazing
Aluminil Si 5	AL Si 5	-	AL Si 5	-	AL Si 5

Chemical composition, wt.% weld metal – typical:

C	Mn	Si	S	P	Cr	Mg	Fe	Cu	Ti	Zn	Al
	0,05	5,0									Bal.

Mechanical properties, weld metal – typical:

Condition	0,2% Yield strength MPa	Tensile strength MPa	Elongation Lo=5d - %	Physical properties	
As welded	≥ 70	≥ 130	≥ 16	Melting range 573-625°C	Density -

Packaging data:

Dia. mm.	Length mm.	Weight / package kg.
3,0	820	1