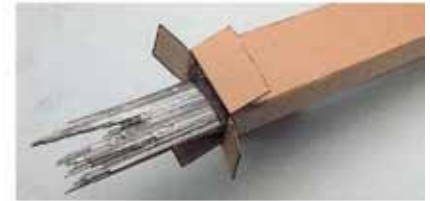


Fidat offers high quality aluminum wire and rods with a smooth and bright surface, produced through a highly controlled process. Besides this, Fidat handles a wide range of welding, brazing, hardfacing and special alloys supplies in rods, wires and electrodes.



Fidat	Description
Al 99.5	Pure aluminum welding wire for TIG and MIG welding of unalloyed aluminum. Resistance to corrosion is good. Conductivity is excellent.
Al 99.8	Pure aluminum welding wire for TIG and MIG welding of unalloyed aluminum. Resistance to corrosion is good. Conductivity is excellent.
Al Si 5	A silicon alloyed aluminum welding wire for TIG and MIG. Used to weld Al Si alloys. Not suitable for anodizing.
Al Si 12	A silicon alloyed aluminum wire for aluminum brazing and welding. Suitable for cast aluminum and wrought alloys. Its low melting point minimizes parent metal distortion.
Al Mg 4.5 Mn	Magnesium alloyed aluminum welding wire for TIG and MIG welding of Al Mg alloys. Corrosion resistance is very good, especially in a marine atmosphere.
Al Mg 5	Magnesium and manganese alloyed aluminum welding wire for TIG and MIG processes. Used to weld plates where maximum weld strength is required.
Al Mg 5 Mn	Magnesium and manganese alloyed aluminum welding wire for TIG and MIG processes. Used to weld plates where maximum weld strength is required.
Al Mg 3	Magnesium alloyed aluminum welding wire for TIG and MIG welding of Al Mg alloys with a magnesium content max 3%.
Al 99.5	Pure aluminum wire suitable for flame spray equipment, arc spray coating system. Wire can be supplied with different annealing grade.
Al 99.88	Extra pure aluminum wire suitable for flame spray equipment, arc spray coating system and vacuum processes. Wire can be supplied with different annealing grade.

Fidat	Description
KAL	Flux cored aluminum rods. Requiring no additional flux for welding aluminum plates and castings. High resistant joints. Mechanical properties: R=80-120 N/mm <sup>2</sup> A%20-35
KALSIL	Flux cored aluminum-silicon rods for welding plates and castings. Suitable for silicon aluminum alloys such as anticorodal, dural, carter, silumin, etc. Mechanical properties: R=105-130 N/mm <sup>2</sup> A% 15-25.

## COMPARISON CHART

Fidat	AA(USA)	UNI (Italia)	BS (UK)	AFNOR (Francia)	DIN (Germania)
Al 99.5	1050	S – Al 99.5	1050 A	A 5	SG Al 99.5 (3.0259)
Al 99.8	1080	S – Al 99.8	1080 A	A 8	SG Al 99.8 (3.0286)
Al Si 5	4043	S – Al Si 5	4043 A	AS 5	SG Al Si 5 (3.2245)
Al Si 12	4047	S – Al Si-12	4047 A	AS 12	SG Al Si 12 (3.2585)
Al Mg 4.5 Mn	5183	S – Al Mg 4.5 Mn	5183	AG 5 MC	SG Al Mg 4.5Mn (3.3548)
Al Mg 5	5356	S – Al Mg 5	5356	AG 5	SG Al Mg 5 (3.3556)
Al Mg 5 Mn	5556	S – Al Mg 5 Mn	5556 A	AG 5 MC	-
Al Mg 3	5754	S – Al Mg 3	-	AG 3 M	SG Al Mg 3 (3.3536)