

CEWELD AlSi 5

certilas® THE FILLER METAL SPECIALIST

TYPE

Mig aluminium welding wire alloyed with silicon

APPLICATIONS

He is a MIG filler metal for welding Aluminium alloys with maximum 2% alloying elements and for Aluminium alloys containing up to 7% Si.(after anodizing welding will be of a dark grey colour)

PROPERTIES

Thanks to its excellent weldability and good penetration this alloy is used mainly in construction and automotive industry. The silicon addition results in improved fluidity (wetting action), making the alloy the preferred choice of welders. The alloy is not sensitive to weld cracking and produces bright, almost smut-free welds. Not recommended for anodizing. Non-heat treatable. Thicker sections should be preheated (150°C) prior to welding.

CLASSIFICATION

AWS	A 5.10: ER4043
EN ISO	18273: S Al 4043A (AlSi5(A))
W.Nr.	3.2245
F-nr	23

SUITABLE FOR

AlMgSi 0, AlSiMg (A), AlSi 1 MgMn, AlMg1SiCu, AlCuMg 1, AlMgSi 1, AlZn 4,5 Mg 1
3.1325, 3.3206, 3.3210, 3.2315, 3.3211, 3.4335
EN AW 6060, EN AW 6005A, EN AW 6082, EN AW 6061, EN AC 45000,

APPROVALS

CE

WELDING POSITIONS



TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)

Si	Mn	Ti	Fe	Cu	Al	Mg
5	0.1	0.1	0.3	0.1	Rem.	0.1

MECHANICAL PROPERTIES

Heat Treatment	$R_{P0,2}$ (MPa)	Rm (MPa)	A5 (%)	Hardness
As Welded	100	160	17	HRc

REDRYING

Not required

GAS ACC. EN ISO 14175

I1, I3