



CEWELD AIMg 5

TYPE Mig filler metal for welding Aluminium Magnesium alloys.

APPLICATIONS Filler metal for welding Aluminium alloys with maximum 5% Magnesium. This Magnesium alloyed Aluminium wire, thanks to its excellent corrosion resistance and its high mechanical properties is mainly used in ship yards, car and railway industry. Thicker sections should be preheated (150°C) prior to welding.

PROPERTIES Excellent weldability and good mechanical strength combined with good corrosion resistance are typical for this alloy. The weld deposit is free from porosity due to the special shaving process and cleaning method during production. AIMg5 is one of the most popular types within the range of aluminum alloys and covers a weight range of alloys.

CLASSIFICATION

AWS	A 5.10: ER5356
EN ISO	18273: S Al 5356 (AlMg5Cr(A))
W.Nr.	3.3556
F-nr	22

SUITABLE FOR **Aluminium alloys:**
 AlMg3, AlMg4, AlMg5, AlMgSi1, AlMgSi0,5, AlMgMn, AlZnMg1, G-AlMg3Si, G-AlMg5Si, G-AlMg10, AlMg1SiCu, AlMgSi0,7, AlZn4,5Mg1, AlZnMg4,5Mn, AlZn5,5Mg1, AlSi1MgMn, AlSiMg(A), AlMg 1 3.3315, 3.3545, 3.3206, 3.3210, 3.3215, 3.3211, 3.4335, 3.3535, 3.3555, EN AW 5086, EN AW 6060, EN AW 6005A, EN AW , EN AW 6061, EN AW 7020, EN AC 51400, EN AC 51300, EN AC 51100, EN AW 5454

APPROVALS CE

WELDING POSITIONS



TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)

Si	Mn	Cr	Ti	Al	Mg
0.2	0.1	0.1	0.1	Rem.	5

MECHANICAL PROPERTIES

Heat Treatment	R _{P0,2} (MPa)	R _m (MPa)	A ₅ (%)	Hardness
As Welded	130	280	25	HRc

REDRYING Not required

GAS ACC. EN ISO 14175 I1, I3



CEWELD ALMg 5

ALMG 5 0,8MM

Packaging	KG/unit	EanCode
D-100	0,5	8720663406866
D-200	2	8720663406873
D-300	6	8720663406859

ALMG 5 1,0MM

Packaging	KG/unit	EanCode
D-100	0,5	8720663406903
D-200	2	8720663406910
D-300	7	8720663406897
Drum	80	8720663406880

ALMG 5 1,2MM

Packaging	KG/unit	EanCode
D-100	0,5	8720663406927
D-200	2	8720663406934
D-300	7	8720663406989

ALMG 5 1,6MM

Packaging	KG/unit	EanCode
D-300	7	8720663406941

ALMG 5 2,0MM

Packaging	KG/unit	EanCode
BS-300	7	8720663406958

ALMG 5 2,4MM

Packaging	KG/unit	EanCode
D-300	7	8720663406965