

CEWELD AlMg 3

TYPE Mig wire for welding Aluminium Magnesium alloys with less than 3% Mg..

APPLICATIONS Suitable for base metals with maximum 3% Mg. These alloys are suitable for a big range of applications in the construction sector, in general, and in the structural industry. Widely used in ship and vessel building.

PROPERTIES This alloy offers excellent weldability when properly cleaned prior to welding. Heavy parts and thicker plates should be preheated (150°C), prior to welding. The alloy shows good corrosion-resistance and an excellent color-uniformity after anodizing. CEWELD® AlMg3 offers also good resistance against seawater.

CLASSIFICATION

AWS	A 5.10: ER5754
EN ISO	18273: S Al 5754 (AlMg3)
W.Nr.	3.3536
F-nr	22

SUITABLE FOR Aluminium Alloys:
 AlMg Mn, AlMg 3Mn, AlMg1, AlMg2, AlMg2,7Mn, AlMg3, AlMg3,5, AlMgSi0,5, AlMgSi0,8, G-AlMg3Si, AlMn 1, AlMg 1,8
 3.0515, 3.3206, 3.3315, 3.3326, 3.3535, 3.3541,
 EN AW 5005A, EN AW 5754, EN AW 6060, EN AC 51100, EN AW 5454, EN AW 5251,

APPROVALS CE

WELDING POSITIONS



TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)

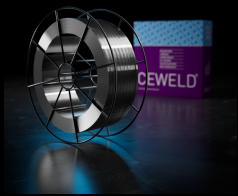
Mn	Cr	Ti	Al	Mg
0.5	0.3	0.15	Rem.	3.2

MECHANICAL PROPERTIES

Heat Treatment	R _{p0,2} (MPa)	R _m (MPa)	A ₅ (%)	Hardness
As Welded	80	190	20	HRc

REDRYING Not required

GAS ACC. EN ISO 14175 I1, I3



CEWELD ALMg 3

ALMG 3 0,8MM

Packaging	KG/unit	EanCode
BS-300	7	8720663407221
D-100	0,5	8720663407238

ALMG 3 1,0MM

Packaging	KG/unit	EanCode
D-200	2	8720663407252
D-300	7	8720663407245

ALMG 3 1,2MM

Packaging	KG/unit	EanCode
D-300	7	8720663407269
Drum	80	8720663407276

ALMG 3 1,6MM

Packaging	KG/unit	EanCode
BS-300	7	8720663407283

ALMG 3 2,0MM

Packaging	KG/unit	EanCode
D-300	7	8720663407290
D-355	18	8720663407306