



CEWELD E CuMn

TYPE	Copper based electrode developed for joining and cladding.		
APPLICATIONS	CEWELD E CuMn is suitable for welding and overlaying Copper and Copper Alloys, Cast Iron and steel.		
PROPRIÉTÉS	Ductile welding deposit with high conductivity and corrosion resistance. The weld deposit is free from porosity and offers similar strength as most commercial copper grades. Thicker sections than 5 mm should be preheated up to approximately 500 °C.		
CLASSIFICATION	AWS EN ISO W.Nr. F-nr	A 5.6: E Cu 17777: E Cu 1893 ~2.1363 31	
CONVIENT POUR	Cladding steel, Grey cast iron, Copper, Copper Alloys and dissimilar welding. Mat.n: 2.0040, 2.0060, 2.0070, 2.0076, 2.0080, 2.0090, 20100, 2.0110, 2.0150, 2.0170, UNS: C10100, C11000, C10300, C11020, C12000, C12200, C12250, C14200, CW008A, CW021A, CW023A, CR024A Cu-OF, E Cu, Cu-SE, Cu-SW, CU-SA, Cu-F, Cu-SF, Cu-D, Cu-DLP, Cu-DHP		

AGRÉMENTS

POSITIONS DE SOUDAGE



ANALYSE CHIMIQUE TYPIQUE DU MÉTAL DE SOUDURE (%)

Si	Mn	P	Fe	Sn	Ni+Co	Cu
0.25	2.5	0.08	0.1	0.7	0.2	96

PROPRIÉTÉS MÉCANIQUES

Heat Treatment	R _{P0.2} (MPa)	R _m (MPa)	A5 (%)	Hardness
As Welded		205	35	100 HB

ETUVAGE 140°C / 2 hr

GAS ACC. EN ISO 14175