CEWELD®

SP AI 99,0

CATEGORY	Metal spray wires								
ТҮРЕ	99% pure grade aluminium wire for thermal spray applications.								
APPLICATIONS	Aluminum wire coatings are recommended for cathodic corrosion protection in atmospheric and salt / fresh water immersion, with application areas such as oil refining equipment, chemical processing equipment, boat bottom interiors exposed to bilge water and other similar types of exposure.								
PROPERTIES	As aluminum is anodic to steel, coatings of aluminum act as excellent sacrificial coatings on steel substrates. Furthermore, the aluminum coating tends to form an oxide film that protects it from further attack.								
CLASSIFICATION	AWS EN ISO	A 5.10: ER 1100 18273: S AL 1100	/ AL 99,0						
SUITABLE FOR	Electrical conductance on components such as conductive areas on insulators, capacitor end caps and varistors. Cathodic corrosion protection on steel, structures such as bridges and water towers, for which the coating can be used alone or as a very good bond and protective undercoat for organic materials. Coatings on fiberglass panels for static dispersion and corrosion protection of outer casings, high temperature corrosion protection on exhaust valves.								
APPROVALS	CE approved								
WRE ANALYSIS									
Al	Mn	Cu	Fe	Si	V	Rest	Fe+Si		
	< 0.05	0.05-0.20	< 0.95	< 0.95	<0.1	< 0.15			

COATING PROPERTIES

Heat	R _{P0,2}	Rm	A5	Bonding strength	Density	Porosity	Macrohardness
Treatment	(N/mm ²)	(N/mm ²)	(%)	N/mm2	g/cm ³	volume %	HRH
				7-30	2.41	1-2	78-82

PROCESS PARAMETERS / PACKING

	Process Parameters	Packing		
D (mm)	Voltage (V) (DC+)	Current (A)	spool type	kg / spool / drum
1,6			K-300 / Drum	7 / 80
2,5			K-300 / Drum	7 / 80
3,2			K-415 / Drum	17 / 80
4,76			Coils	25

REDRYING TEMPERATURE not required