

CATEGORY Metal spray wires

TYPE 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 EN ISO 14919: 3.2

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 No Approvals Found

WELDING POSITIONS:



TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)

Si	Al
0.1	99.7

ALL WELD MECHANICAL PROPERTIES

Heat Treatment	R <sub>p0,2</sub> MPa	R <sub>m</sub> MPa	A <sub>5</sub> (%)	Hardness Brinell Hardness
As Welded /				Avg. 65

WELDING PARAMETERS / PACKING

PROCESS PARAMETERS	PROCESS PARAMETERS	PROCESS PARAMETERS	PACKING	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

GAS ACCORDING EN 14175