

Introduction

Nickel clad aluminum exothermic coating wire which substrates with high strength is mainly used for spraying primer coating to achieve the goal of enhancing antioxidant properties. It can also be used as a work piece surface coating or repair ordinary carbon steel, alloy steel, stainless steel, nitriding steel, cast iron, cast steel, nickel, magnesium, zirconium, titanium, monel, nickel-chromium alloy. It can achieve a good metallurgical bond coating.

Chemical & Physical Properties

Ni	Al
Bal.	20

Applications

- Bond coat
- Dimensional restoration

Deposit Characteristics

Typical Hardness	HRB 60-75
Bond Strength	9100 PSI
Deposit Rate	10 lbs /hr/100A
Deposit Efficiency	70%
Wire Coverage	0.9 oz/ft ² / m
Surface Texture	Variable
Machine ability	Good

Standard Dimensions

Wire	Diameter (mm)	Tolerance (mm)
	2.0,3.0,3.17	+ 0 / - 0.05

Other sizes (diameter and wire weight) can be manufactured accordingly to the requirements of customers.

Packaging

Spool	5kgs(11 lbs)/spool
Coil	10-100kgs/coil