

SINTERED NdFeB MAGNETS

COATING INSTRUCTION

Acemade has been researching and developing advanced surface protection technology of NdFeB coating. We can provide you with high quality coatings and platings of Nickel, Zinc, Tin, Epoxy, Aluminum Spraying, IVD Aluminum, etc. The excellent coatings provide the magnets high resistance of salt spray, heat and humidity, that assure the magnets safe enough in the extreme bad environments.

Note:

1. Salt test results is different under different plating techniques
2. Magnets plated by grinding (small size magnets) is better resistance to salt than that is plated by hanging up (big size magnets)
3. All the coating process meet the requirement of RoHS

Surface	Coating	Thickness(Microns)	Color	Working Temperature	Resistance	Salt Spray Test Standard(Hours)
Nickel	Ni+Ni	10~20	Bright Silver	≧ 160°C	Excellent against Humidity	24-48
	Ni+Cu+Ni			≧ 200°C		
Black Nickel	Ni-Cu-Ni	10-20	Bright Black	≧ 200°C	Excellent Against Humidity & Salt	48-72
CR ⁶⁺ Zinc	ZN	5-8	Bright Blue	≧ 160°C	Excellent Against Salt Protection for most products	24-48
	C-Zn		Shinny Color	≧ 160°C		24-72
CR ³⁺ Zinc	ZN	5-8	Bright Blue	≧ 160°C	Good Against Salt	16-48
	C-Zn		Shinny Color	≧ 160°C	Excellent Against salt	24-72
Tin	Ni+Cu+Ni+Sn	10-25	Silver	≧ 160°C	Superior Against Humidity	48-72
Gold	Ni+Cu+Ni+Au	6-10	Gold	≧ 160°C	Superior Sgainst Humidity	/
Ag	Ni+Cu+Ni+Ag	6-10	Silver	≧ 160°C	Superior Against Humidity	/
Epoxy	Epoxy	10-25	Black,Grey	≧ 120°C	Excellent Against Humidity & Salt	24-48
	Ni+Cu+Epoxy			≧ 120°C		48-72
	Zn+Epoxy			≧ 120°C		48-72
Al	Al Spraying	6-20	Dark Silver	≧ 200°C	Superior Against Humidity & Salt, Suitable for Big Size or Unregular magnets	48-72
	IVD Al	10-30	Silver White	≧ 400°C	Superior Against Humidity & Salt Thickness Equality, Excellent adhesive attraction	48-72
Passivation	/	1-2	Silver Grey	/	Temporary Protection	/
Phosphated	/	1-2	Silver Grey	/	Temporary Protection	/