

Coating

Coating		Thickness µm	Colour	SST h	Characteristic
Zn	Zinc	4 - 8	bright blue	>24 – 48	Regular protection
Ni-Cu-Ni	Nickel-Copper-Nickel	12 - 20	bright silver	>48 – 96	Excellent humidity, heat and salt spray resistance.
Ni-Cu-Ni + Epoxy	Nickel-Copper-Nickel + Epoxy	15 - 25	grey or black	>200	Excellent humidity, heat and salt spray resistance. Very good abrasion resistance. Process-related remain small contact dots on the magnet.
Ni-Cu-Ni + Au	Nickel-Copper-Nickel + Gold	12 - 20	golden	>48 – 96	Excellent humidity, heat and salt spray resistance. Looks good.
Black Ni	black Nickel	10 - 20	bright black	>48 – 96	Excellent humidity, heat and salt spray resistance.
Phosphated		<1	dark grey	<2,5	Temporary protection.
Teflon	PTFE	10 - 25	yellow	>500	Best corrosion and chemical resistance. Excellent abrasion resistance.
Parylene	Polymer	5 - 25	transparent	>500	Excellent corrosion and chemical resistance. Low abrasion resistance.

Remarks:

SST (Salt Spray Test) at 35°C / 5% NaCl (Sodium chloride)

Not all coatings can be used on all magnet material.

Other coatings available on request.