

NICKELOR 400

NICKEL-TIN PLATING SOLUTION

Colour : **Gun metal**Use : **Bath**Colour coordinates : **L : 55.0****a: 1.6****b: 1.9**

Product description

NICKELOR 400 is a nickel plating process that deposits a black nickel-tin alloy (gunmetal-anthracite). This is generally used as an economic finishing to give objects a lasting black colour from the compact, uniform deposit. NICKELOR 400 is complete with all the replenishers for the correct maintenance of the solution.

Condizioni operative

Parameter	Valore medio suggerito
Deposition time	120 seconds
Temperature	50 °C
Voltage	2.0 V
Current density	1.0 A/dm ²
Cathodic efficiency	15 mg/Amin
Deposition speed	0.4 µm/min
Anodes	Ni/Graphite
Agitation	Moderate
Ventilation	Necessary

Maintenance of plating bath

For small plating solution volumes (up to 10 litres) we suggest to use the bath without replenisher . For higher volumes we suggest to use the related replenisher composing the bath:

- **NICKELOR 450SN** : add 25 ml every 100 Amin.
- **NICKELOR 400NI** : add 8 ml every 100 Amin.
- **NICKELOR 400RA** : add after analysis.
- **NICKELOR 400S** : add after analysis
- **NICKELOR 400RT** : add after analysis

Safety Information

Please refer to the safety data sheets for any information regarding safety and disposal (MSDS).

USER INSTRUCTION

NICKELOR 500

NICKEL-TIN PLATING SOLUTION

Colour : **Gun metal**

Use : **Bath**

Colour coordinates : **L : 55.0**

a: 1.6

b: 1.9

Notes

Instructions indicated in Our Process technical data sheets are the result of attentive checks and have been written as a guideline. They represent the best of our knowledge and refer to a normal use of our products. Such products are guaranteed in their quality up to the delivery: we cannot guarantee for the correct use of them, as this action is not under our direct control (addition or correction to plating baths are made by customer's personnel). As a consequence, process instructions have not to be intended as a guarantee of the final result in the use of our products.

Related products

Cod.Article	Description	Colour	Packaging
NI040150	NICKELOR 400 make up solution	Gunmetal	1- 25 L
NI040210	NICKELOR 450SN Tin replenisher		10 L
NI040310	NICKELOR 400NI Nickel replenisher		10 L
NI040405	NICKELOR 400RA additive replenisher		10 L
NI041010	NICKELOR 400S Conducting salts		10 Kg
NI040510	NICKELOR 400 RT Stabilizing additive		10 L