

NICKELOR 500

NICKEL-TIN PLATING SOLUTION

Colour : **Grey/Gun metal**Use : **Bath**Colour coordinates : **L : 74.0****a: 2.0****b: 3.0****Product description**

NICKELOR 500 is a fluoride-based acid nickel plating process, which deposits a black nickel-tin alloy (gunmetal-anthracite). It is generally used as an economical finish to give objects a black colour with a durable, compact and even deposit. Its ease of control and electrolytic stability make it possible to achieve deposits with a consistent quality with both frame and barrel processes .

Condizioni operative

Parameter	Valore medio suggerito
Deposition time	180 seconds
Temperature	50 °C
Voltage	1.5 V
Current density	0.7 A/dm ²
Cathodic efficiency	0.7 mg/Amin
Deposition speed	0.3 µm/min
Anodes	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 540RA** : add 0.8 g every 100 Amin.
- **NICKELOR 540RB** : add 0.8 g every100 Amin.
- **NICKELOR 500RN** : add after analysis.
- **NICKELOR 543** : add after analysis.

Safety Information

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

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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.Articles	Description	Colour	Packaging
NI040901	NICKELOR 500 Make up solution	Grey	25 L
NI040610	NICKELOR 540RA Tin replenisher		10 kg
NI040710	NICKELOR 540RB Conducting salts		10 Kg
NI040710	NICKELOR 500RN Nickel replenisher		10 L
NI040825	NICKELOR 543 blackening agent		10 L