

USER INSTRUCTIONS

SILCOR 501

SILVER PLATING SOLUTION CYANIDE FREE

Colour : **White silver**

Use : **Bath**

Colour coordinates : **L:98.6**

a:0.0

b:2.5

Product description

SILCOR 501 is a process of cyanide-free galvanic silvering that deposits an extremely white layer of silver. The particularity of this process, besides the fact that it is not toxic to health, is the stability of the electrolyte and the high quality of the deposit in total absence of cyanides in solution. SILCOR 501 can be applied directly onto silver and gold, or, with a special pre-treatment, also on alloys of nickel and copper.

Operating conditions

Parameter	Average suggested value
Deposition time	300 seconds
Temperature	20 °C
Voltage	2.0 V
Current density	1.0 A/dm ²
Cathodic efficiency	66 mg/Amin
Deposition speed	0.64 µm/min
Anodes	Pure silver
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:

- **SILCOR 501RB**: add 1.3 ml every 100 Amin.
- **SILCOR 501RW** : add 0.15 ml every 100 Amin.
- **SILCOR 501RAG** : add after analysis.
- **SILCOR 501S** : add after analysis.
- **SILCOR 501PH** : add after analysis.
- **SILCOR 501SC** : add after analysis.

Safety Information

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

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Products related

Cod.Articles	Description	Colour	Packaging
AG050101	SILCOR 501 Cyanide free silver plating solution ready to use 25 g/L	bianco	1 L
AG050201	SILCOR 501D Fixing treatment for cyanide free silver plating solution		1 L
AG050301	SILCOR 501P Cyanide free strike silver plating solution ready to use 2.5 g/L		1 L
AG050401	SILCOR 501S Conducting salts for cyanide free silver plating solution		1 kg
AG050501	SILCOR 501PH pH adjuster for cyanide free silver plating solution		1 L
AG050601	SILCOR 501RB Brightener for cyanide free silver plating solution		1 L
AG050701	SILCOR 501RW Wetting agent for cyanide free silver plating solution		1 L
AG050801	SILCOR 501SC Complexing salts for cyanide free silver plating solution		1 kg
AG050901	SILCOR 501DC Concentrated fixing treatment		1 L
AG051001	SILCOR 501RAG Silver replenisher for cyanide free silver plating solution 60 g/L		1 L