

CUPRALOR 101

HIGH EFFICIENCY ACID SHINY COPPER PLATING SOLUTION

Colour : **Red copper**

Use : **Bath**

Colour coordinates : **L:88.3**

a:13.4

b:14.0

Product description

CUPRALOR 101 are shiny copper galvanic acid process specially designed for thick or flash deposits. CUPRALOR 101 are characterized by the notable compactness and resistance of their galvanic layer, which make it particularly suitable for smoothing and polishing non-noble metal substrates.

Operating conditions

| Parameter | Average suggested value |
|---------------------|-------------------------------|
| Deposition time | 1200 seconds |
| Temperature | 21 °C |
| Voltage | 4.0 V |
| Current density | 3.0 A/dm ² |
| Cathodic efficiency | 18 mg/Amin |
| Deposition speed | 0.7 um/min |
| Anodes | Copper phosphorous 0.02-0.06% |
| Agitation | Moderate/Air |
| 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:

- **CUPRALOR 100HA:** add 1.4 ml every 100 Amin.
- **CUPRALOR 100HB:** add 0.4 ml every 100 Amin.
- **CUPRALOR 100AW:** add 2.2 ml every 100 Amin.
- **CUPRALOR 100CL :** add after analysis.

Safety Information

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

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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.

Products related

| Cod.Articles | Description | Colour | Packaging |
|--------------|--------------------------------------|--------|-----------|
| RA020801 | CUPRALOR 101 Copper plating solution | Red | 1 L |
| RA020810 | CUPRALOR 101 Copper plating solution | Red | 10 L |
| RA010205 | CUPRALOR 100AW starting additive | — | 10 L |
| RA020205 | CUPRALOR 100HA primary additive | — | 10 L |
| RA020305 | CUPRALOR 100HB secondary additive | — | 10 L |
| RA020405 | CUPRALOR 100CL additive | — | 10 L |