

Copper plating bath CU 540

Range of Application

Alkaline Copper plating bath CU 540 is being used mainly for pre-coppering of iron, steel, brass, zinc, and tin-alloys, to be followed by copper- and nickel-plating.

Formulation

Ready for use
Salt

Bath Preparation

Dissolve 180 g of Copper salt CU 540 A in approximately 800 ccm of demineralised water (40°C), the top up to 1000 ccm (1litre).

Operating Conditions

Anode material	electrolyte copper with protection bags
Anode/cathode surface	1:1
Tank material	PPH
Bath filtration	required (with larger tank volumes)
Agitation	required
Voltage	0.5-2 V
Bath temperature	40-60°C
	special glass, or PTFE heating elements
Time	2-15 minutes
Deposit weight	approx. 40 mg/amp.min.
Current density	0.5-4 amps/dm ²

Bath Control and Regeneration

An analysis of the electrolyte is required for determining the components needed for regeneration.

Regular bath controls are made by our laboratory on request. One litre of bath is sufficient for each test.

Trouble Shooting

The electrolyte contains cyanide and must not contact acids or acidic solutions.

Do not drain electrolyte without prior purification. Follow the regulations of you Local Water Board.

Storage

Keep in clearly marked and tightly closed containers, away from acidic components, and food.