

Copper Bath (acid) JE540

Description

With the Copper Bath JE540 a very bright, decorative and ductile copper layer can be deposited. The sulfuric acid electrolyte is user friendly and easy to handle. The levelling properties are excellent.

Operating data

Copper content	55 g/l (45 – 65)
Sulfuric acid content	60 g/l (55 – 75)
Chloride content	70 mg/l (50 – 100)
pH-value	< 1

Operating conditions

Voltage	0.8 – 2.5 Volt
Current density	1 – 6 A/dm ²
Bath temperature	25 °C (20 – 27)
Anode material	Copper (with 0,03 – 0,06% phosphorus)
Movement	Required
Bath filtration	From 10 litre
Tank material	PPH, PP or PE

Deposition data

Hardness Approx.	220 HV
Layer density	8.9 g/cm ³

Form of delivery

Ready for use

Special hints

Parts made of steel or zinc must be first deposited in the cyanidic Copper Bath JE550 to avoid adhesion problems or damage of the base material.

Bath control/regeneration

The metal content, sulfuric acid content and the chloride content should be controlled. Analysis should take place at regular intervals. Gladly we accomplish a bath analysis for you.

Storage

Store closed and separated from foods and forage in suitable and well-marked containers. Do not relate with cyanide or cyanidic solutions.

Risks/Disposal

Before desistance the liquid solution in the canalization a wastewater treatment should be effected. The specifications of the local water authority should be regarded.

**Please note our
Safety Data Sheet!**