

Silver Bath JE60 cyanide free

Description

The silver bath JE60 is an innovative cyanide-free electrolyte for the deposition of very white silver layers. It is characterized by easy handling and very high consistency. The silver bath JE60 contains no cyanide and offers significant environmental and safety benefits. The purity of silver deposits is nearly 100% and is suitable for decorative and technical applications. The electrolyte can be used up to a thickness of max. 25 µm for frame and barrel plating.

Operating data

Silver content:	31g/L
pH-value:	10
Density:	1,13 g/ml
Anode material:	Fine silver
Tank material:	PP, PPH, PE or PVC
Bath filtration:	From 10 L required
Agitation:	required

Voltage:	1,0 - 1,5 Volt
Power density:	0,5 - 1,0A/dm ²
Bath temperature:	15 - 25°C
Deposit rate:	Approx.. 0,5µm / min

Deposition data

Precious metal content:	99,5-99,9%
Hardness:	102 HV
Thickness:	11,3 – 11,5 g/m ³

Form of delivery

Ready for use
Concentrate (from 20 l volume)

Bath Control/Regeneration

Profitable from a volume > 10 L. The silver content as well as the brighteners, pH-value and the complexing salt must be kept constant. The necessary chemicals for the regeneration can only be determined through a bath analysis. Especially on huge baths, a bath control in constant intervals happens, at the latest after 10% metal removal. For the control of the brightener, we recommend an ampere hours counter.

The silver is added in the form of silver nitrate. 1.6 g of AgNO₃ corresponds to 1.0 g of silver.

Risks/ Disposal

The silver bath JE60 is corrosive. Used solutions should be disposed of by a specialist company who will treat it before discharging. Check it with the local water authority for permitted discharge levels.

**Please consider our
Safety Data Sheet!**