

Matt Silver Bath JE37

Description

The Matt Silver Bath JE 36 grants extremely white fine silver plating results and is ideal for silver plating in the field of decoration and technique.

Operating data

Fine Silver 36 g/l Ag
Potassium cyanide 150 g/l

Operating conditions

Voltage	approx. 0.5 - 1.2 Volt
Bath temperature	15 - 25°C
Exposure time	approx. 2 min.
Anodes	Fine silver (from 10l volume in protection bag)
Anode/Cathode surface	1 : 1
Agitation	necessary
Current density	0.1 – 3 A/dm ²
Bath filtration	from 10 Liters
exposure time	Approx. 0.5 µm/min at 1A/dm ²
Deposition rate	66 mg/Amin

Deposition data

Hardness approx. 110 HV
Layer thickness 99.8 – 99.9 % Ag
Layer density approx. 10.4 g/cm³

Form of delivery

- Ready to use
- salt form

Solution preparation salt form

To make up 1 l of bath, add:

- 250 g of salt form

Fill a clean container with distilled or deionized water (2/3 of the final volume). Dissolve salt - stir well. Fill up with distilled or deionized water to the final volume. The bath is ready to use!

Bath control/regeneration

This maintains constant concentration of the silver and potassium cyanide. The chemicals necessary for the regeneration can only be determined through a bath analysis. If desired, we carry out a bath control in our technical laboratory. For this analysis we need 1 litre bath. If required, we provide the corresponding instructions for the proper bath analysis.

Recycling

The used solution contains precious metal, which we like to recycle for you. Recycling of these solutions can be profitable from 20 liters.

For the recycling of the precious metals we can recommend furthermore our precious metal recovery unit. Talk to us!

Storage/Warehousing

Store in a closed vessel and not together with food and acid solutions. Store it in appropriate and marked container. The bath contains cyanide and may not encounter acids or acid solutions.

Risks/Disposal

Before draining off the hydrous solutions in the canalization a liquid waste treatment should take place. The specifications of the local responsible water authority are to be regarded.

**Please note our
Safety Data Sheet!**