

Bright Silver Bath JE36

Description

The brightening 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 Concentration	36 g/L Ag
Potassium cyanide concentration	130 g/L

Operating conditions

Voltage	approx. 0.5-1.2 Volt
Bath temperature	20 - 30°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 litres
exposure time	Approx. 0,5 µm/min at 1A/dm ²
Deposition rate	65 mg/Amin

Deposition data

Hardness	approx. 110 HV
Layer thickness	99,5 – 99,9 % Ag
Layer density	approx. 10,4 g/cm ³

Form of delivery

- Ready to use
- salt form (salt form + brightener solution)

Solution preparation salt form

To make up 1 l of bath, add:

- 250 g of salt form
- 25 ml of brightener A
- 25 ml of brightener B

Fill a clean container with distilled or deionized water (2/3 of the final volume). Dissolve salt - stir well. Add Brightener A and Brightener B and fill up with distilled or deionized water to the final volume. After resting from 10 hours the Bath is ready to use!

Bath control/regeneration

This maintains constant concentration of the silver, potassium cyanide and brightening additive components. 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.

Addition of brightening additives per 1000 A/h:

Approx. 400ccm brightening additive –A-
Approx. 700ccm brightening additive –B-

Recycling

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

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 come into contact with acids or acid solutions.

Risks/Disposal

Before drain 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 regard our
Safety Data Sheet!**