



WILAPLAT Silver Baths

Bright Silver Bath

Article No. 3090300202

Description

The Wilaplat Bright Silver Bath forms ductile, very bright, stress and crack-free silver coatings with a purity of at least 99.8%. Due to the extraordinary dispersion depth of the electrolyte, polishing or buffing can be eliminated for deeper layer thicknesses.

Application

WILAPLAT Bright Silver Bath can be used in a conventional electroplating unit such as the WILAPLAT-System. Before the electroplating procedure, the surfaces to be coated must be cleaned and degreased. To avoid non-electric silver plating with a resultant non-adhesion layer, the rectifier must be already switched on when the work pieces are being immersed in the bath.

Operating Data

Silver Content	30.0 g/l
Cyanide Content	120.0 g/l °C
Temperature	20-30°C
Exposure Time	5-50 minutes
Voltage	0.5-1.2 volts
Current Density	1.0-1.5A/dm ²
Deposition Rate	66.7 mg/Amin
Movement	Required
Anodes	Fine silver
Tank Material	Glass, alkali-resistant plastic (PP, PVC etc.)

Deposition Data

Density	10.3 g/cm g/cm ³
Hardness	approx. 110 HV

Regeneration

After analysis for silver and cyanide content, add silver salt and potassium cyanide as required.

Supply Forms

Up to 20 l ready for use, then as make-up salt containing 55 ml AB brightening agent per litre.

General

For prolonged standing times, it may be necessary to re-homogenize the bath.

Warning!

Chemicals and materials used in electro-plating techniques can be corrosive or poisonous. During use, storage, transportation and disposal the relevant guidelines must be observed.

For further information see The EEC Safety Data Sheets