



## 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

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

#### Deposition Data

<b>Density</b>	10.3 g/cm g/cm <sup>3</sup>
<b>Hardness</b>	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