



WILAPLAT Platinum Metals Group Baths

Ruthenium Bath

Article No. 3110200602

Description

WILAPLAT Ruthenium Bath is used for decorative surface coating. It creates a high gloss, anthracite-coloured deposit. The ruthenium deposit is extremely wear-resistant and offers adequate corrosion protection.

Application

WILAPLAT Ruthenium Bath is used in a conventional electro-plating unit such as the WILAPLAT System. The coating should be deposited on a suitable adhesion layer achieved by pre-plating in an acidic electrolyte such as the Pre-plating Gold Bath AC 3 (Article No. 3070100102).

Operating Data

Ruthenium Content	5.0 g/l
Temperature	60-70 °C
Exposure Time	5-20 minutes
Voltage	1.8-2.6 volts
Current Density	1.0-2.0 A/dm ²
Deposition Rate	10 mg/Amin
pH Value	1.2-1.8
Agitation	Electrolyte or work pieces
Anodes	Platinized titanium
Tank Material	Glass, acid resistant plastic (PP, PVC etc.)

Deposition Data

Density	11.8 g/cm ³
Hardness	Approx. 450 HV
Layer Thickness	0.5-2.0 µm

Supply Form

Ready for use

Regeneration

Regeneration based on bath analysis to determine ruthenium and acid content. For regeneration, use Ruthenium Regeneration Concentrate (Article No. 3110200604) containing 20 g Ru / l.

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