

Platinum Bath JE18

Description:

The strongly acidic platinum bath JE18 is used for the deposition of corrosion-resistant, smooth and highly polished platinum layers of light color. The bath is used in both decorative and technical fields, it works gloss preserving.

Operating data:

Platinum content	2,0 g/L
pH-value	< 1
Density	1,08 g/ml, increasing

Deposition data

Hardness	Not measurable, approx. 500 HV
Layer thickness	max. 1 µm
Fineness of the gold layer	ca. 99,9 % platinum

Working conditions:

Voltage	2 V
Bath temperature	30 - 40 °C
Exposition time	2 - 4 min.
Anode material	platinated titanium or mixed oxid
Goods movement	required
Anode- /cathode surface	1:1
Deposition rate	ca. 11 mg/Amin
Current density	0,5 - 1,5 A/dm ²
Bath filtration	from 10 liters

Form of delivery:

Ready for use 2 g/L Pt

Bath control/Regeneration:

Regeneration should take place at the latest after a platinum finish of 20 %. Then it can be replenished with 20 ml platinum bath of JE18 replenisher.

In the case of uncontrolled platinum workout, a bath analysis should be carried out at regular intervals. Gladly we researcher a bath analysis (volume sample 100ml) for you.

Continuous bath filtration is recommended. For the purification of organic impurities, filtration through activated carbon filter cartridges is possible. Metallic impurities (e.g. > 1 g/L Ni) cause poorly adhering, cloudy and dark coatings, these can often be avoided by clean pretreatment of the product.

Recycling:

The used electrolyte contains precious metal, which we gladly recycle for you. The recycling of these solutions can be rentable from 10 liters.

Storage:

Store closed and dark, in suitable and well marked containers. Do not bring in contact with cyanides or cyanide solutions because the bath contains sulfuric acid.

Risks/elimination:

Before desistance of the liquid solution in the canalization a wastewater treatment should be effected. The specifications of the local water authority should be regarded.

Please consider our safety data sheet!

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Management Service

Zertifiziert nach:

ISO 9001:2015

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