

Colour Gold Bath

JE400, JE411, JE421, JE431, JE434

Description

The colour gold baths of the product line JE 400 are used for deposition of decorative gold coats. The gold layers can be deposited in different colours. The layer thickness is max. 0,1 - 0,2 micron. As this colour gold baths do not need free cyanide for complex formation, can be deposited over a long distance with a constant colour. Furthermore, no heating unit is needed, as not like otherwise usual with colour gold baths, because the baths work at room temperature.

Colour

| | |
|-------|-----------|
| JE400 | Fine gold |
| JE411 | 14 kt |
| JE421 | 18 kt |
| JE431 | rosé |
| JE434 | red |

Further colours on demand!

Operating data

| | |
|--------------|--------------------------------|
| Gold content | 1,0 g/l |
| pH-value | 11,5 – 12,5 |
| Density | 1,045 – 1,055g/cm ³ |

Working conditions

| | |
|-------------------------|-------------------------------|
| Voltage | 3 Volt |
| Bath temperature | 20 - 25 °C |
| Exposition time | 10 - 30 seconds |
| Anode material | Stainless steel |
| Anode- /cathode surface | Ca. 1:1 |
| Goods movement | From 10 litre |
| Current density | Ca. 0,5-1,0 A/dm ² |
| Bath filtration | From 10 litre |

Form of delivery

- Ready for use

Bath control/regeneration

By gold baths less than 10 litre volume a regeneration is unprofitable. They should be elaborated up to debility. From a volume of 10 litre the metal content, the conducting salt content and the pH-value should be tested. Gladly we accomplish a bath analysis for you. For regeneration units with 10 g/L Au are available.

Recycling

The used gold solution respectively static rinse contains precious metal, which we gladly recycle for you. The recycling of these solutions can be rentable from 20 litres. For the recycling of the precious metals we can recommend furthermore our precious metal recovery unit. Talk to us!

Storage

Store closed and separated from foods and forage in suitable and well marked containers. Do not relate with acids or acid solutions.

Risks/elimination

The colour gold baths JE4xx do not contain free potassium cyanide. The metals are existent as cyanide complexes. Therefore 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!**