

Color gold bath cold JE400, JE411, JE421, JE431, JE434

Description:

The color gold baths of the product line JE4XX are used for deposition of decorative gold coats. The baths are ideal for depositing thin layers. As this color gold baths do not require free cyanide for complex formation, can be deposited over a long period of time with a constant color at room temperature.

Designation: Color:

JE400	Fine
JE411	14kt
JE421	18kt
JE431	Rosé
JE434	Red

More colors upon request!

Operating data:

Gold content	1,0 g/L
pH-value	11,5 (11-12)
Density	1,065 g/ml (1,060-1,070)

Working conditions:

Tension	3 V
Bath temperature	20°C
Exposition time	15-20 seconds
Anode material	Stainless steel
Goods movement	From 10 liters
Bath filtration	From 10 liters
Anode- /cathode surface	1:1

The change of voltage and bath temperature may change the color of the deposit!

Form of delivery:

Ready for use 1 g/L Au

Bath control/Regeneration:

By gold baths below 10 liters bath volume, regeneration is unprofitable. They should be elaborated up to debility. From a volume of 10 liter the metal content, the conducting salt content and the pH-value should be tested. Gladly we researcher a bath analysis (volume sample 100ml) for you. For regeneration are required a potassium gold-I-cyanide solution (100 g/L Au) and the corresponding color solution, that are available from us.

Recycling:

The used electrolyte contains precious metal, which we gladly recycle for you. The recycling of these solutions can be rentable from 20 liters.

Storage:

Store closed and dark, in suitable and well marked containers. Do not bring in contact with acids or acid solutions.

Risks/elimination

The color gold baths JE4XX do not contain free potassium or sodium cyanide. However, the metals are existent as a cyanide complex. 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!

Jentner Plating Technology

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