

## Color Gold Bath warm

### JE100, JE110, JE210, JE310, JE340

#### Description:

The color gold baths of the product line JE1XX-340 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 60°C.

#### Designation:           Color:

JE100	fine
JE110	14kt
JE210	18kt
JE310	rosé
JE340	red

#### More colors upon request!

#### Operating data:

Gold content	1,0 g/L
pH-value	10,5 (10-11)
Density	1,035 g/ml (1,030-1,040)

#### Working conditions:

Voltage	6 V
Bath temperature	60 °C
Exposition time	15 - 20 sec.
Anode material	Stainless steel
Goods movement	from 10 liters required
Anode- /cathode surface	1:1
Bath filtration	from 10 liters

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

#### Form of delivery:

Ready for use 1 g/L Au  
Concentrate form 1 g/100ml Au for 1 liter bath

#### 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 JE1XX-340 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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Management Service

Zertifiziert nach:  
ISO 9001:2015

Stand: 10.02.2023