79 196,96657
Au
Gold

METAKEM
Precious metals & anodes

Gold-CPB-Bath

Gold bath for decorative colour gold plating

MADE IN GERMANY

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Operating conditions

Anode:	stainless steel (V2A)
Anode / cathode ratio:	1:1
Bath filtering:	not necessary
Agitation of goods:	not necessary
Voltage:	4 – 6 V
Bath temperature:	60 – 70°C using stainless steel or PTFE-heating elements
Time of exposure:	10 – 20 sec
Current density:	approx. 5 A / dm^2

Please note:

Regeneration of gold baths with a volume of less than 10 L is unprofitable. So the baths should be worked out until exhausted. Read carefully the material safety data sheet.

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Gold-CPB is used for decorative colour gold plating (harmonisation of welded gold parts and fashion jewellery). The colour of the deposit can be changed by using different voltages and temperatures.
With this decorative gold bath only thin gold layers (maximal 0.2 microns) can be achieved.

Bath Mix

Following additives are required / L colour gold bath:

- 50 g **Gold-CPB**
- 1.5 g potassium gold cyanide with gold content 67 %

The **Gold-CPB** (50 g) is to be dissolved in 700 ml of 60 – 70°C heated demineralized water (conductivity <5 µS) by help of bath agitation. Afterwards 1.5 g potassium gold cyanide will be dissolved in separately up to 60 – 70°C heated 200 ml demineralised water. Afterwards this solution is added to the 700 ml **Gold-CPB** solution. Then the bath is filled up to 1000 ml and is then ready-to-use. Of course you can also buy ready-to-use solutions from **METAKEM**.

The following colour changes can be achieved by adding colour plating solutions:

Colour green = 6 – 10 ml ADDITIVE GREEN

Colour yellow = 4 ml ADDITIVE YELLOW

Colour rosé = 2 – 4 ml ADDITIVE RED

Colour red = 5 – 10 ml ADDITIVE RED

For further information please contact us:

METAKEM
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METAKEM GmbH
Achtzehnmorgenweg 3
61250 Usingen (Germany)

Phone: +49 (0) 6081-1060-0
Fax: +49 (0) 6081-1060-60

E-Mail: info@metakem.de
Web: www.metakem.de

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