WIELAND

THE ESSENTIAL PART OF YOUR SOLUTION

WILAPLAT Gold Plating Baths

Bright Gold Plating Baths 750 (SN, SC, SI, SCI, FeIn)

with 8g Au/l: Article No. 3080100102 (SC), 3080100202 (SI), 3080100302 (SCI), 3080100402 (FE-In), 3080100502 (SN)
with 4g Au/l: Article No. 3080100602 (SC), 3080100702 (SI), 3080100802 (SCI), 3080100902 (Fe-In), 3080101002 (SN)

Description

These acid electrolytes are used for the gold plating of non-ferrous metals and silver alloys. The spectrum of platable materials (e.g. steels) can be considerably increased by first using the Wilaplat AC3 preplating gold bath (ref. no 3070100102).

Under optimal conditions, high gloss, durable adhesive gold layers with a thickness of up to 10 µm can be achieved.

Type of Bath	Alloy Metal(s)
750 SN	Nickel
750 SC	Cobalt
750 SI	Indium
750 SCI	Cobalt, Indium
750 FeIn	Iron, Indium

Application

WILAPLAT Bright Gold Plating Baths 750 can be used in conventional gold plating units such as the WILAPLAT-System. As required, the pH value can be adjusted with citric acid or corrosive soda. Before starting the procedure, the surfaces to be electroplated must be cleaned and free of grease.

Operating Data

Gold Content	4.0 or 8.0 g/l
Temperature	20 – 30 ℃
Exposure Time	10 - 45 minutes
Voltage	2,8 – 3,5 volts
Current Density	1,0 - 2,5 A/dm^2
Deposition Rate	22 mg/Amin
pH Value	3,5 – 4,5
Agitation	Agitation of electrolyte or work piece
Anodes	Platinized titanium
Tank Material	Glass, acid-resistant plastic

Deposition Data

Density	16 – 17,5 g/cm^3
Hardness	120 - 145 HV
Layer thickness	< 10 µm

Supply Forms

Up to 60 l ready for use, above this quantity as make-up salt
Dissolve the salt mix in half of the final volume and fill up afterwards.
The regeneration concentrate contains 100.0 g Au /l

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Regeneration

After analysis, add regeneration concentrate 1 & 2 (ratio 1:1).

Warning!

Chemicals and materials used in electroplating techniques can be corrosive or poisonous. During use, storage, transportation and disposal the appropriate regulations must be observed.

For further information see the ECC Safety Data Sheets

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