



JEWELRY PLATING

GP03P

PINK GOLD PEN PLATING SOLUTION

GENERAL INFORMATION

GP03P is a pink gold pen plating solution which deposits a brilliant pink color to the surface applied. It is a perfect solution to for two-tone plating applications where a pink color is required. It can also be used to highlight specific details or cover solder joints on pink gold items. This pink gold pen plating solution is nickel, lead, and cadmium free, and despite being a traditional cyanide based alkaline chemical, it is easily transported given the toxic level contained is below the limit established by international transportation laws.

Product form

Metal concentration	0.3 g/ 100 ml
Product's pH	Alkaline
Solution form	Liquid
Solution form	Ready-to-use
Plating solution color	Blue
Storage time	2 years
Volume	100 ml



Deposit data

Solution appearance	Shiny
Purity (%)	100.0
Hardness [HV 0.01]	90 - 100
Density [g/cm ³]	19.6
Plating solution color	Pink gold
Thickness range [µm]	0,1 - 0.3

Operating data

RANGE

OPTIMAL

Working temperature [°C]

20 - 30

25

Metal concentration

METAL

RANGE (g/l)

OPTIMAL (g/l)

Gold

30.0

30.0

Color coordinates

L*	83.7
a*	12.3
b*	13.7
c*	18.4

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PREPARATION

GP03P is a ready-to-use pen plating solution at the concentration of 0.3 g/ 100 ml. No preparation is required.

EQUIPMENT

Power supply: Pen plating machine (5 Amp – 12 Volt rectifier)

Anode: A pen with a platinum collar

Tips: Fiber (white or brown)

PRE TREATMENT

Work pieces designated to undergo a pen plating operation, must go through the same cleaning procedures as recommended for bath plating operations (degreasing, neutralization, washing). GP03P can be deposited directly onto silver, palladium, gold, nickel and its alloys. An intermediate deposit or precious metal plating strike is necessary before depositing onto tin, lead, zinc, aluminum and iron.

PRODUCT USAGE

In order to choose the right working voltage, please consider that the optimum range strongly depends about the kind of tips is intended to use with the pen:

- White tips: 9 -11 V
- Brown tips: 8 - 10 V
- PENGRAF: 6 - 8 V

POST TREATMENT

Electrolyte should be removed from the surface as quick as possible. Rinse off the bath rests in a recovery rinse (still rinse). Rinse the parts in running water and dry.

BATH MAINTENANCE

Use until the rhodium solution is completely exhausted without incorporating replenishment or additives.

SUPPLEMENTARY INFORMATION**TEMPERATURE**

GP03P gives excellent performance at room temperature.

SAFETY INFORMATION

Being an acidic solution, the electrolyte is corrosive therefore is an irritant to the skin, eyes and mucous membranes. Caution should be exercised when using the product, avoiding contact with the eyes and skin. Use gloves and safety goggles. Keep away from cyanide based chemicals. For further information please refer to the relative MSDS.

DISCLAIMER

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