


GENERAL INFORMATION

IMPROVED FORMULATION - RH2PM is a white rhodium designed for pen plating application. It is the fastest depositing pen rhodium in our portfolio making this solution the best formulation for productions where speed is most important. High throwing power makes it an ideal choice for textured surfaces. The complex chemical balance allows for low tip consumption and no fume development when applying.


Product form

Metal concentration	2 g (Rh)
Product's pH	Acidic
Solution form	Liquid
Solution form	Ready-to-use
Plating solution color	White
Storage time	2 years
Volume	100 ml

Deposit data

Solution appearance	Shiny
Purity (%)	100.0
Hardness [HV 0.01]	800 - 900
Density [g/cm ³]	11.2
Plating solution color	Super white
Thickness range [μm]	0,05 - 0.20



Operating data	RANGE	OPTIMAL
pH	0 - 1	0.5
Voltage [V]	10.5 - 12.2	11.0
Working temperature [°C]	18 - 25	20 - 23

Metal concentration	METAL	RANGE (g/l)	OPTIMAL (g/l)
	Rhodium	2	2.0

Color coordinates

L*	86.1
a*	0.6
b*	2.4
c*	2.5

**PREPARATION**

RH2PM is a ready-to-use pen plating solution at the concentration of 2g/100ml. 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. **RH2PM** 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.

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.

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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