

**JEWELRY
PLATING**
P2109-02

READY TO USE PLATING SOLUTION 0.7G/L PT + 0.3G/L RH

DESCRIPTION

P2109-02 is an electrolytic system which permits to obtain shiny deposit of a 80% platinum – 20% rhodium alloy. Thanks to its aesthetic and chemical-physical characteristics, the platinum – rhodium alloy obtained with the **P2109-02** process is an alternative to a classical pure rhodium electrodeposition (or to pure platinum) as a final layer for white finishing.

DEPOSIT DATA

Density (g/cm ³)	Approximately 19.5 according with the composition of the deposited alloy
Hardness (HV)	Approximately 600
Thickness (um)	Flash
Appearance	Shiny
Color	White

PRODUCT FORM

Form	Ready to use solution
Metal concentration	0.7 g/l (Pt) + 0.3 g/l (Rh)
Color of the solution	Yellow
Chemical status	Acidic
Storage time	1 year
Volume	1-liter bottle



PRODUCT USAGE	RANGE	OPTIMAL
Voltage (V)	2.0 – 3.0	2.5
Current density (A/dm ²)	2,0 – 5,0	3
Working temperature (°C)	40 – 50	45
Exposure time (min)	1 – 4	1,5
pH	< 1	
Cathode efficiency (mg/Amin)	3 – 5	3,5
Anode/cathode ratio	1:1 – 4:1	2:1
Anode type	Platinized titanium	Platinized titanium
Agitation	Moderate	Moderate

METAL CONCENTRATION

METAL	RANGE (g/l)	OPTIMAL (g/l)
Platinum (Pt)	0.6 – 0.8	0.7
Rhodium (Rh)	0.2 – 0.4	0.3

COLOR COORDINATES

L*	89,3
a*	0,5
b*	3,2

Note: Color coordinates here reported have been measured on a white underlayer and they are to be intended as PURELY INDICATIVE being strongly dependent on underlayer color, on thickness of the deposit and on specific design (shape) of the surface.

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SOLUTION PREPARATION

P2109-02 is a ready to use solution and no further dilution is required prior to start to work

BATH MAINTENANCE

This solution is, at the moment, thought for small – sized installations (until 5 liters) and used until exhaustion without making any replenishment until exhaustion.

DISCLAIMER

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