

RH2PB

Technical chart

Last revision

27/09/2013

READY TO USE RHODIUM PEN PLATING SOLUTION 2g/100ml

Pag. 1/2

Colour **Black**

[L: 59,6 a: -0,4 b: 2,2 c: 2,2]

Product description

RH2PB is a galvanic solution from the "Ultrablack Rhodium" line for rhodium decoration using a pen plater. The main characteristics of this electrolyte are:

- *Dark shiny deposits*
- *Can be used at room temperature*
- *Excellent penetrating power*
- *Easy distribution*
- *Good resistance to abrasion*

Recommended applications

RH2PB has been specifically developed for decorative application using a galvanic pen plater on the surface of precious metals and small non-ferrous items for the creation of twin-coloured deposits.

Deposit data

Density [g/cm ³]	12.4
Hardness [HV 0.01]	800-900
Thickness [µm]	0.05-0.20
Appearance	Shiny

Operating data

	Range	Optimum
Initial solution concentration [Rhodium, g/l]	---	20
Time of exposure [s]	Few seconds	---
Operating temperature [°C]	18-25	20
Voltage [V]	10.5-12.2	11
pH	---	0-1

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Additional informations

Packaging

The product comes in a high-density polyethylene bottle.

IMPORTANT: when you receive the product make sure that the cap is intact.

Preparing objects

For maximum performance the objects to be treated should be cleaned beforehand using ultrasound wash treatments and special cleaning agents, then subjected to electrolytic degreasing treatment. For best results use of the SGR1 (see technical sheet) electrolytic degreaser is recommended.

Temperature

RH2PB gives excellent performance at room temperature.

Equipment

RH2PB should be applied by pen, using a galvanic pen plater. If used with a Legor galvanic pen plater (see technical sheet), do not forget to set the selector switch on positions 8-10.

Galvanic Bath Maintenance

RH2PB can be used until spent without using any additives.

Safety Information

Caution: *Ultrablack Rhodium RH2PB* is a corrosive 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. For further information please refer to the relative safety sheet.

<i>Ultrablack Rhodium solutions for pen plating</i>	Code
"Ultrablack Rhodium™", solution for pen plating (2 g/100ml package)	RH2PB
"Ultrablack Rhodium™", solution for pen plating (1 g/ 50ml package)	RH2PB-25ML
"Ultrablack Rhodium™", solution for pen plating (0,5 g/ 25ml package)	RH2PB-50ML