


GENERAL INFORMATION

RH2PBLUE is a blue rhodium for pen plating. Blue rhodium is a perfect option to add color to metallic surfaces while maintaining the precious aspect of the design. Most commonly used for plating the prong area to enhance the color of blue stones, this room temperature procedure makes it ideal for two-tone designs. The newly developed formula has proven to be one of the most stable on the market today.

Product form

Metal concentration	2 g (Rh)
Product's pH	Acidic
Solution form	Ready-to-use
Solution form	Liquid
Plating solution color	Orange
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	Blue
Thickness range [μm]	0,05 - 0.20


Operating data
RANGE
OPTIMAL

Voltage [V]	4.5 - 5.5	5.0
Working temperature [°C]	20 - 30	25

Metal concentration
METAL
RANGE (g/l)
OPTIMAL (g/l)

Rhodium	2	2.0
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Color coordinates

L*	29.1
a*	-5.0
b*	-21.9
c*	22.5

**PREPARATION**

RH2PBLUE 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. **RH2PBLUE** 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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