

PALLADIUM BATH

PROD-ID: NC400



The palladium bath NC400 is a weakly alkaline electrolyte which is suitable for the deposition of bright, decorative, light palladium layers up to 0.5 micron thickness. The palladium electrolyte can be used especially as a pre-palladium (e.g. before rhodium plating). Due to its excellent throwing power, expensive precious metal can be saved. NC400 is suitable for decorative and technical applications, for rack and barrel operation.

Palladium content: 2g/250 ml

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Advantages

- Light white, pure palladium coatings
- Corrosion-resistant
- For decorative and technical applications
- Bright, low-pore coatings
- Crack-free layers > 0.5 micron possible
- Suitable for rack and barrel

Applications

- Jewelry & Watches
- Electronic and communication industries



Technical Specifications

Electrolyte Characteristics

Electrolyte type: Weak Alkaline

Metal content: 2 g/l Pd

PH value: 9

Operating temperature: 25 - 30 °C

Plating speed: 0.07 µm/min at 1 A/dm²

Current density range: 1 A/dm²

Anode material: MMO (RuO₂-TiO₂) or Pt-Ti

Coating Characteristics

Coating: Palladium

Alloy composition: 99.9 wt. % Pd

Color of deposit: Brilliant-white

Brightness: Ultra bright

Hardness of deposit: Approx. 300 HV

Density of the coating: 11.8 g/cm³

