

PLATINUM ELECTROLYTE

PROD-ID: NC300



NC300 is used for depositing smooth, ultra-bright, and extraordinarily abrasion-resistant platinum coatings. The acidic electrolyte is used for technical and decorative applications and guarantees light, white layers – crack-free up to 1 microns. NC300 works across a wide operating range and reaches an excellent covering speed. It is used for rack operation.

Platinum content: 2g/100 ml Or 5g/250 ml

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Advantages

- Acidic platinum electrolyte
- Light, white, and ultra-bright coatings
- For technical and decorative applications
- Extraordinarily abrasion-resistant
- Very wide operating current density range
- Up to 1-micron layer thickness (crack-free)
- Suitable for racks

Applications

- Jewelry & Watches
- Writing implements
- Spectacle frames
- Accessories

Technical Specifications

Electrolyte Characteristics

Electolyte type: Strongly acidic

Metal content: 2, 5 g/L Pt

PH value: <1

Operating temperature: 30 (25 - 40) °C

Current density range: 1.5 (0.5 - 5.0) A/dm²

Plating speed: 0.08 µm/min at 1.5 A/dm²

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

Coating Characteristics

Coating: Platinum

Alloy composition: 999 wt. % Pt

Color of deposit: White

Brightness: Brilliant

Hardness of deposit: Approx. 500 HV

Max. Coating Thickness: 1 µm

Density of the coating: Approx. 21 g/cm³

