

HARD GOLD BATH

PROD-ID: NC210



NC210—a weakly acidic electrolyte—is suitable for a uniform bright, yellow, hard gold (Gold-Nickel) and crack free coatings up to 10 micron.

Due to the usage of special chemical components, the NC210 is equally suitable for rack and barrel application.

The precious metal content of the gold layer is approx. 23ct.

Gold content: 3, 5, 8 and 12g/L

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Advantages

- Very wide operating current density range
- For technical and decorative applications
- High corrosion and abrasion resistance

Applications

- Electronic and communication industries
- Cosmetic Packaging
- Writing Utensils
- Jewellery & Spectacle Frames
- Bathroom Fittings
- Clothing Accessories

Technical Specifications

Electrolyte characteristics

Electrolyte type: weakly acidic

Metal content: 3, 5, 8, 12 g/l Au

PH value: 4.2 (3.8 - 4.6)

Operating temperature: 30 (20 - 40) °C

Current density range: 2.5 (1 - 5) A/dm²

Plating speed: 0.15 µm/min

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

Coating characteristics

Coating: Gold-Nickel

Alloy composition: 99.7 wt. % Au, 0.3 wt. % Ni

Color of deposit: Yellow

Brightness: Bright

Hardness of deposit: 150 - 220 Hv

Max. Coating thickness: Crack free up to 10 µm

Density of the coating: Approx. 17 g/cm³

