

Platinum-DNS-bath

Applications and attributes

- bath for technical solutions and jewellery
- sulphuric acidic
- coatings brilliant and hard
- well adhering up to 15 microns
- pH-range 1 to 2.5, depending on substrate
- suitable to plate nickel, copper, brass, stainless steel, gold and silver
- with careful pre-treatment Ti, Nb, Ta, Mo, W to be platinised
- Platinum DNS is replenished with the starting concentrate.

Specification

| | Optimum | Range |
|-------------------------------|--|--------------------|
| Delivery form | DNS concentrate 50 g Pt/l | |
| Concentration range | 10 g Pt / l | 6 - 15 g Pt / l |
| Voltage | 2 - 3 volts | |
| Temperature | 50°C | 40 - 60°C |
| Agitation | 5 cm / sec | 2 - 5 cm / sec |
| pH | 1 - 2.5 depending on | kind of substrates |
| pH - adjusted | with KOH or H ₂ SO ₄ | |
| Current density | 0.3 - 1.5 A / dm ² | |
| Anode | platinised titanium, Pt/Ti or mixed oxides activated titanium, MoxTi | |
| Deposition rate | 1 micron in 30 minutes at 1 A / dm ² | |
| Surface ratio anode / cathode | 7 - 9 mg Pt / A x min | |
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Please discuss your application with us.

Gold and platinum group metal chemistry

- Salts, compounds and solutions
- Gold and PGM electroplating baths
- PGM coated parts

Insoluble Anodes

- Titanium and niobium parts
- Customized anodes
- Special base metals and activations

Shaped Material

- Platinum and platinum/rhodium alloys

Passed to you by:

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