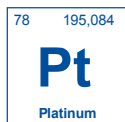


METAKEM
Precious metals & anodes

Platinum-DNS-Bath

High-quality platinum electrolyte for
technical and decorative applications



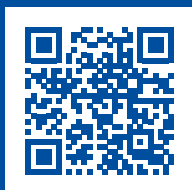


Precious metal baths

Platinum-DNS-Bath

Technical data

Bath concentration:	10 g Pt / L (range: 6 - 15 g Pt / L)
pH range:	1 - 2.5
pH adjustment:	with KOH or H ₂ SO ₄
Temperature:	50°C (range: 40 - 60°C)
Voltage:	2 - 3 V
Bath movement:	5 cm / s (range: 2 - 8 cm / s)
Current density, cathodic:	0.3 - 1.5 A / dm ²
Anode:	Pt-niobium, Pt-titanium, MOX-titanium
Anode:Cathode:	1:1
Deposition rate:	1 µm / 30 min at 1 A / dm ²
Yield:	7 - 9 mg Pt / Amin


Request product:

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Platinum-DNS-Bath is an acidic platinum bath for technical and decorative applications, with which bright, gloss-preserving, hard coatings are deposited.

Features of the Bath

- ◆ Substrate: Nickel, copper, brass, stainless steel, gold and silver
- ◆ Substrate after suitable pre-treatment: Titanium, niobium, tantalum, molybdenum, tungsten
- ◆ Sulphur acidic
- ◆ Regenerable with **Platinum-DNS-Bath-R**

Properties of the Layer

- ◆ Light-coloured, gloss-preserving layer
- ◆ High adhesive strength
- ◆ Layer thickness up to 10 µm
- ◆ Coating hardness: 500 - 700 HV

Bath Supplement

The platinum content of the bath can be worked out up to half the preparation concentration without changing the current yield, but should preferably be supplemented after 30 % platinum has been removed

Platinum-DNS-Bath is supplemented with **Platinum-DNS-Bath-R** (50 g Pt / L). For 1 g of platinum removed, 20 ml of **Platinum-DNS-Bath-R** is added to the bath.

Bath approach:

The supplied preparation concentrate is stirred into approximately three times the amount of deionised water and then filled up to the bath volume.

Delivery forms:

Platinum-DNS-Bath is supplied as a concentrate with 50 g Pt / L. Further concentrations according to customer requirements.

**For further information
please contact us:**

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