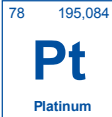


Platinum-OH-Bath

High-quality platinum electrolyte for satin coatings on various base metals





Precious metal baths

Platinum-OH-Bath

Technical data

Bath concentration:	15 g Pt / L
pH range:	13 (range: 11 - 14)
Temperature:	80°C (range: 50 - 90°C)
Voltage:	1 - 1.5V
Bath movement:	through N ₂ -gas
Current density, cathodic:	1 A / dm ² (range: 0.5 - 1.5 A / dm ²)
Anode:	stainless steel, nickel
Deposition rate:	1 μm / 8 min at 1 A / dm ² (27 mg Pt / Amin)
Yield:	90 % on the basis of Pt (IV)
Bath replenishment:	addition of H ₂ Pt(OH) ₆
Bath cover:	with plastic balls

Delivery forms:

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



Request product:

→ metakem.de/en/request

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**For further information
please contact us:**

METAKEM
Precious metals & anodes

METAKEM GmbH

Achtzehnmorgenweg 3
61250 Usingen (Germany)

Phone: +49 (0) 6081-1060-0

Fax: +49 (0) 6081-1060-60

E-Mail: info@metakem.de

Web: www.metakem.de

Platinum-OH-Bath is an alkaline platinum bath for the electrochemical coating of numerous metals.

Features of the Bath

- ◆ Alkaline bath
- ◆ Low impurities by goods to be plated
- ◆ No salt accumulation
- ◆ To be replenished with hexahydroxoplatinic acid

Properties of the Layer

- ◆ Satin layer colour
- ◆ Low stress and ductile
- ◆ Layer thickness up to 25 μm on titanium, up to several 100 μm on other substrates

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.

Bath Replenishment

The platinum content of the bath should be worked out to half of the original concentration without decrease in current efficiency. It is recommended to replenish after a depletion of about 30 % platinum.

Platinum-OH-Bath is replenished with hexahydroxoplatinic acid without salting out. For 1 g of platinum removed, approximately 2 g of hexahydroxoplatinic acid is added to the bath. Exact data can be found on the label.

