

## Platinum-OH-bath

### Applications and attributes

- alkaline for platinising many metals
- coatings of
  - low stress and few pores
  - well adherent and silky finish
  - up to 25 microns thick on titanium
  - up to more than 100 microns on other substrates
- bath easily to replenish without loss of quality
- the alkaline bath is hardly polluted by metals
- replenished with platinumhexahydroxoacid

### Specification

	Optimum	Range
Delivery	concentrate 50 g Pt/l	
Range of use	10 g Pt/l	4 - 15 g Pt/l
Voltage	1 - 1.5 volts	
Temperature	80°C	50 - 90°C
Agitation	by N <sub>2</sub> -gas agitation	
Current density	0.5 - 1.5 A / dm <sup>2</sup>	
Anodestainless steel, nickel		
Current yield	100%, based on Pt(IV)	
Deposition rate	2.5 microns in 25 minutes at 0.8 A / dm <sup>2</sup> 30 mg Pt / A min	
Precaution	bath covered by plastic balls	
Replenished	with H <sub>2</sub> Pt(OH) <sub>6</sub>	

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:

## METAKEM

Precious metal technology  
METAKEM GmbH  
Achtzehnmorgenweg 3  
D-61250 Usingen(Germany)  
Telefon 0 60 81 / 10 60-0  
Fax 0 60 81 / 10 60-60  
e-mail [info@metakem.de](mailto:info@metakem.de)  
Internet [www.metakem.de](http://www.metakem.de)