

Metal deposits



# Platega<sup>®</sup> pure

## Precious deposits of great whiteness

The acid platinum bath Platega<sup>®</sup> pure deposits smooth, bright platinum layers of white colour up to 1 µm thickness.



### Properties and benefits

- Very white
- Bright deposits
- High hardness
- Cheaper than rhodium
- $L^* = 86,5$ ,  $a = +1$ ,  $b = +5,5$

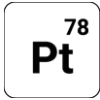
### Application area

- Writing instruments
- Laboratory equipment
- Jewellery
- Watches

our know-how  
is your success

[iwgplating.com](http://iwgplating.com)





Metal deposits



## Technical Data

### Electrolyte properties

Parameter	Range	Optimum
Platinum	2,0 – 3,0 g/l	2,5 g/l
Sulphuric acid	80 – 100 g/l	90 g/l
Temperature	40 – 60 °C	40 °C
Current density	1 – 4 A/dm <sup>2</sup>	1 A/dm <sup>2</sup>
Anodes	platinized titanium	
Anode:Cathode-Ratio	4:1	
Agitation	4 – 8 cm/s	
Current efficiency at 1A/dm <sup>2</sup> , 2,5 g/l Pt, 40 °C	10 – 15 mg/Amin	
Time of exposition at 1A/dm <sup>2</sup> , 2,5 g/l Pt, 40 °C	approx. 0,07 µm/min	

### Deposit characteristics

Purity .....	99,99%
Specific gravity of the deposit.....	21,4 g/cm <sup>3</sup>
Hardness .....	350 – 500 Hv <sub>20</sub>

## Products available

3555500 .....	Platega® pure
3555200 .....	Platega® pure Brightener
3555850 .....	Platega® pure Wetting agent

FOR ANY FURTHER INFORMATION WE WILL BE PLEASED TO BE AT YOUR DISPOSAL  
PERSONALLY UNDER+ 43 (0)2287 71073 OR OFFICE@IWGPLATING.COM