

Metal deposition



# Platega<sup>®</sup> pure S

## Bright, white, precious deposits

Platega<sup>®</sup> pure S is a strong acidic platinum bath which deposits very white, extremely bright coatings at high current densities.



### Properties and Benefits

- RoHS compliant
- REACH compliant
- Very white layers
- bright
- Cheaper than pure rhodium
- $L^* = 87,5$ ,  $a = +0,9$ ,  $b = +5,7$

### Application area

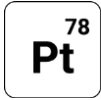
- Writing instruments
- Jewellery
- Watches

Platega pure S\_E

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## Technical Data

Electrolyte properties		
Parameter	Range	Optimum
Platinum	1,5 – 3 g/l	2,0 g/l
Sulfuric acid	30 – 40 g/l	35 g/l
Temperature	55 – 65°C	60°C
Current density	0,5 – 10 A/dm <sup>2</sup>	5,0 A/dm <sup>2</sup>
Anodes	Pt/Ti-Anodes or MOX-Anodes	
Anode/Kathode-ratio	4:1	
Agitation	necessary, 4-8 cm/sec	
Current efficiency	6,4 mg/Amin at 2 g/l Pt, 5A/dm <sup>2</sup> and 60°C	
Rate of deposition at 2 g/l Pt, 5A/dm <sup>2</sup> and 60°C	approx. 0,14 µm/min	

## Deposit characteristics

Appearance .....	silvery white
Hardness .....	350 – 500 HV <sub>20</sub>
Purity .....	99,9+
Specific gravity of the deposit .....	21,4 g/cm <sup>3</sup>

## Products available

3555700 .....	Platega <sup>®</sup> pure S, 2 g Pt/100 ml
3555750 .....	Platega <sup>®</sup> pure S Brightener

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

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