

Metal deposition



Platega[®] pure K1

Precious deposits of great whiteness

The acid platinum bath Platega[®] pure K1 deposits smooth, bright platinum layers of white colour up to 1 µm thickness. The hardness of the layer is about 350 - 500 HV₂₀.



Properties and Benefits

- RoHS compliant
- REACH compliant
- White layers
- Cheaper than pure rhodium
- $L^* = 86,5$, $a = +1$, $b = +5,5$

Application area

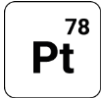
- Writing instruments
- Jewellery
- Watches

Platega pure K1_E

our know-how
is your success

iwgplating.com





Metal deposition



Technical Data

Electrolyte properties		
Parameter	Range	Optimum
Platinum	1,5 – 3 g/l	2,0 g/l
Sulfuric acid	80 – 100 g/l	90 g/l
Temperature	40 – 60°C	40°C
Current density	0,5 – 1,5 A/dm ²	1,0 A/dm ²
Anodes	Pt/Ti-Anodes	
Anode/Kathode-ratio	4:1	
Agitation	necessary, 4-8 cm/sec	
Current efficiency	10-15 mg/Amin at 2 g/l Pt, 1A/dm ² and 40°C	
Rate of deposition at 2 g/l Pt, 1A/dm ² and 40°C	approx. 0,07 µm/min	

Deposit characteristics

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

Products available

3555600	Platega® pure K1
---------------	------------------

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

