Rhodega® blend Pt

Brilliant white deposits

The rhodium-platinum process Rhodega® blend Pt is an acidic electrolyte from which brilliant white layers with an appearance close to pure Rhodium can be deposited. A typical field of application is for plating on jewellery, optical frames, watches and electric contacts.

Properties and Benefits

- RoHS compliant
- REACH compliant
- Very white layers
- Cheaper than pure rhodium
- L* = 90, a = +1, b = +3

Application area

- Jewellery
- Optical frames
- Watches
- Electric contacts

Technical Data

Electrolyte properties		
Parameter	Range	Optimum
Rhodium	0,8 – 1,2 g/l	1,0 g/l
Platinum	0,8 – 1,2 g/l	1,0 g/l
Sulfuric acid	60 – 75 g/l	70 g/l
Temperature	35 – 45 °C	40 °C
Current density	1 – 5 A/dm²	3 A/dm²
Anode/cathode-ratio	At least 2:1	
Agitation	Moderate, 4 – 10 cm/sec	
Rate of deposition at 3A/dm²	Approx. 0,05 µm/min	

Dependent on the rhodium/platinum content in the bath the content of metals in the deposited alloy can be adjusted. A higher platinum content in the bath leads to a higher platinum content in the alloy. Higher temperature leads to more rhodium in the deposit.

Deposit characteristics
Appearance.....brilliant white

Products available

3521020 .....Rhodega® blend Pt

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