

Metal deposits



Platega[®] blend Rh eco

Brilliant white deposits

The rhodium-platinum process Platega[®] blend Rh eco is an acidic electrolyte from which brilliant white layers up to 0,6 µm thickness 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
- $L^* = 89, a = +1, b = +4$

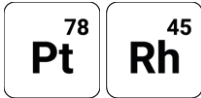
Application area

- Jewellery
- Optical frames
- Watches
- Electric contacts

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Technical Data

Electrolyte properties		
Parameter	Range	Optimum
Rhodium	0,2 – 0,4 g/l	0,3 g/l
Platinum	0,6 – 0,8 g/l	0,7 g/l
Sulfuric acid	65 – 75 g/l	70 g/l
Temperature	35 – 55 °C	45 °C
Current density	1 – 5 A/dm ²	3 A/dm ²
Anode/cathode-ratio	At least 2:1	
Agitation	Moderate	
Rate of deposition at 3A/dm ²	Approx. 0,03 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.

0,3 g/l Rh and 0,7 g/l Pt result in an alloy approx. 80% Pt, 20% Rh

Deposit characteristics

Appearance.....brilliant white

Products available

- 3556922 Platega® blend Rh eco
- 3556923Platega® blend Rh Replenisher

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

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