

Metal deposition



Pallega® blend Co

Mirrorbright alloy deposits

Pallega® blend Co process is an ammonia based electrolyte from which a bright palladium cobalt alloy with a composition of about 80 % palladium and about 20 % cobalt can be deposited. The process is suitable for rack and barrel application. Pallega® blend Co process may be used as a substitute to Pd/Ni for barrier plating to prevent copper migration into gold top coat. Pallega® blend Co deposits have excellent corrosion protection properties.



Properties and Benefits

- Substitute for Pd/Ni
- Bright deposits
- Cost saving especially when plating high thicknesses
- Good corrosion protection properties
- $L^* = 84,0$, $a = +1$, $b = +5$

Application area

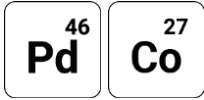
- Jewellery
- Optical frames
- Watches

Pallega blend Co_E

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Technical Data

Electrolyte parameters		
Parameters	Range	Optimum
Specific gravity	4-7 °Bé/20 °C	
pH-Value	8,0 – 8,5	8,3
Palladium	4,0 – 5,0 g/l	4,0 g/l
Cobalt	0,4 – 0,8 g/l	0,5 g/l
Temperature	25 – 37 °C	35 °C
Anodes	Mixed oxides	
Current density	0,5 – 1,5 A/dm ²	
Current efficiency at 1 A/dm ²		approx. 26 - 28 mg/Amin
Exposition time for 1µm at 1 A/dm ²		approx. 5 min

Deposit characteristics	
Appearance	silver grey
Palladium content	approx. 80%
Cobalt content	approx. 20%

Products available

3465500.....	Pallega® blend Co Make up 7:10
3465600.....	Pallega® blend Co Replenisher 1
3465700.....	Pallega® blend Co Replenisher 2
3465900.....	Pallega® blend Co Density correcting salt
3474000.....	Pallega® Palladium solution 100

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

