



Metal deposition



Pallega[®] pure HT

Mirrorbright pure palladium deposits in high thicknesses

Pallega[®] pure HT process is a weak alkaline electrolyte from which bright, decorative white levelled pure palladium layers can be deposited. Pallega[®] pure HT has been formulated to get crackfree and non porous layers. A typical field of application is the watch, bijou and optical frame production. Pallega[®] pure HT enables deposits of thicknesses above 5 microns with mirror bright finish, that is the reason why it can be used as an excellent corrosion protective nickel substitute.



Properties and Benefits

- Bright deposits
- High Lightness
- Crackfree
- Good corrosion protection properties
- $L^* = 87, a = +1, b = +5$

Application area

- Jewellery
- Watches
- Optical frames
- Technical applications

Pallega pure HT_E

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Technical Data

Electrolyte parameters		
Parameter	Range	Optimum
Specific gravity	9 - 11 °Bé/20°C	
pH-Value	7,5 – 8,2	
Palladium	5 – 11 g/l	10 g/l
Temperature	40 – 45°C	43 °C
Anodes	Mixed oxides	
Current density cathodic	0,5 – 1,0 A/dm ²	
Current density anodic	0,2 – 0,3 A/dm ²	
Current efficiency	94% (90 – 95% at 1 A/dm ²)	
Rate of deposition	Approx. 4 Min/µm at 1 A/dm ² or 30 mg/Amin	

Deposit characteristics	
Appearance	silver grey
Purity.....	99,9 %
Specific gravity of the deposit	11,8 g/cm ³
Weight for 1 µm.....	approx. 120 mg/dm ²
Hardness HV/20 g	230 – 250
Contact resistance.....	1,1 m Ohm

Products available

3476500.....	Pallega® pure HT Make up 7:10
3476600.....	Pallega® pure HT Replenisher 1
3476700.....	Pallega® pure HT Replenisher 2
3476100.....	Pallega® pure Wetting agent
3475800.....	Pallega® pure Density correcting salt
3475900.....	Pallega® Purification resin
3474700.....	Pallega® pure HT Booster
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

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