

Aurega[®] pure 218 S

Brilliant pale gold deposits free of allergens

The colourgold Aurega[®] pure 218 S process is a bath specially developed according to customer requirements. The electrolyte is weak acidic and bright color constant deposits with a hardness of 220 - 230 HV₂₅ can be deposited. This type of bath is mainly used for decorative purposes. Deposits of Aurega[®] pure 218 S are about 23 ct. The layers contain neither nickel nor cobalt, therefore they cannot cause these skin allergies.



Properties and Benefits

- Colour constant
- Weak acidic
- Approx. 23 carat
- Easy bath control
- Free of nickel and cobalt
- $L^* = 85,5$, $a = +5$, $b = +27$

Application area

- Jewellery
- Optical frames
- Watches



Metal deposition



Technical Data

Electrolyte properties

Parameter	Range	Optimum
Specific gravity	11 – 15 °Bé/20 °C	
pH-Value	3,9 – 4,3	4,1
Gold	1,0 – 4,0 g/l	2,5 g/l
Iron	0,6 g/l	
Indium	0,3 g/l	
kathodic current density	approx. 0,25 – 1,5 A/dm ²	
anodic current density	max. 0,75 A/dm ²	
Temperature	33 °C – 37 °C	35 °C
Current efficiency	approx. 10,3 mg/Amin at 1,5A/dm ² , 2,5 g/l Au approx. 16 mg/Amin at 0,5A/dm ² , 2,5 g/l Au	
Rate of deposition	approx. 0,3 – 0,4 µm/5 minutes	
Agitation	Cathode agitation approx. 4 cm/sec and circulation	
Anodes	Platinized titanium	
Anode-/Cathode ratio	minimum 2:1	

Deposit characteristics

Hardness 220 – 230 HV₂₅
Appearance pale gold, approx. 2N

Products available

3333000.....	Aurega® pure 218 S Make up 7:10
3333100.....	Aurega® pure 218 S Replenisher 1
3333200.....	Aurega® pure 218 S Replenisher 2
3331100.....	Aurega® pure 218 Iron solution
3331200.....	Aurega® pure 218 Indium solution
3330200.....	Aurega® pure 218 Density correcting salt
3330500.....	Aurega® pure 218 pH-Correcting salt
1159400.....	Potassium gold cyanide 68,2%
1341100.....	IWG Biozid 1

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