



Metal deposition



# Aurega<sup>®</sup> pure 218

## Brilliant pale gold deposits free of allergens

The colourgold Aurega<sup>®</sup> pure 218 process is a weak acidic electrolyte from which bright color constant deposits with a hardness of 220 - 230 HV<sub>25</sub> can be deposited. This type of bath is mainly used in the custom jewellery and optical frame industry. Deposits of Aurega<sup>®</sup> pure 218 are about 23 ct. Because of the absence of nickel and cobalt in the layers Aurega<sup>®</sup> pure 218 cannot cause any kind of skin allergy.



### Properties and Benefits

- Colour constant
- Weak acidic
- Approx. 23 carat
- Easy bath control
- Free of nickel and cobalt
- $L^* = 86,5$ ,  $a = +5$ ,  $b = +28$

### Application area

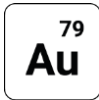
- Jewellery
- Optical frames
- Watches

Aurega pure 218\_E

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### Technical Data

Electrolyte properties		
Parameter	Range	Optimum
pH-Value	3,9 – 4,1	
Gold	1,0 – 4,0 g/l	2,5 g/l
Iron	0,6 g/l	
Indium	1,0 g/l	
kathodic current density	approx. 1,5 A/dm <sup>2</sup>	
anodic current density	max. 0,75 A/dm <sup>2</sup>	
Temperature	33 °C – 37 °C	35 °C
Current efficiency	approx. 25 mg/Amin at 1A/dm <sup>2</sup> , 2,5 g/l Au	
Agitation	Cathode agitation approx. 4 cm/sec and circulation	
Anodes	Platinized titanium	
Anode-/Cathode ratio	minimum 2:1	

### Deposit characteristics

Hardness ..... 220 – 230 HV<sub>25</sub>  
 Appearance ..... pale gold, approx. 2N

### Products available

3310000.....	Aurega® pure 218 Make up 7:10
3330100.....	Aurega® pure 218 Replenisher 1
3330300.....	Aurega® pure 218 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.....	Potassiumgold cyanide 68,2%

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

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