



Metal deposition



# Aurega<sup>®</sup> pure HS 2

## Brilliant gold coloured deposits

The gold coloured Aurega<sup>®</sup> pure HS 2 process is a weak acidic electrolyte from which bright deposits with a hardness of 140 - 160 HV<sub>25</sub> can be deposited. This type of bath is mainly used in the custom jewellery and electronic industry, in rack as well as in barrel applications.



### Properties and Benefits

- Colour constant
- Weak acidic
- Approx. 23 carat
- Easy bath control
- $L^* = 86, a = +8, b = +33$

### Application area

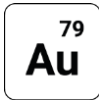
- Jewellery
- Electronics
- Watches

Aurega pure HS 2\_E

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### Technical Data

#### Electrolyte properties

Parameter	Range
Specific gravity	6 – 7 °Bé/20 °C
pH-Value	3,5 – 3,8
Gold	1,8 – 4,2 g/l
Cobalt	0,3 – 0,4 g/l
Cathodic current density	0,5 - 3 A/dm <sup>2</sup>
Temperature	33 – 37 °C
Current efficiency	approx. 20% depending on current density, gold content, pH-value and temperature
Rate of deposition	1 µm in approx. 9 min at 1 A/dm <sup>2</sup> and 2 g/l Au 1 µm in approx. 3,5 min at 2,5 A/dm <sup>2</sup> and 4 g/l Au
Agitation	Cathode agitation approx. 4 cm/sec and filtration
Anodes	Platinized titanium
Anode-/Cathode ratio	minimum 4:1

#### Deposit characteristics

Hardness ..... 140 – 160 HV<sub>25</sub>  
 Appearance ..... gold colour

#### Products available

3435000 ..... Aurega® pure HS 2 Make up 3:5  
 3435100 ..... Aurega® pure HS 2 Replenisher  
 ..... Aurega® pure HS 2 Density correcting salt  
 ..... Aurega® pure HS 2 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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