



Metal deposition



# Aurega<sup>®</sup> pure HS 4

## Bright gold coloured deposits

The gold coloured Aurega<sup>®</sup> pure HS 4 process is a weak acidic electrolyte from which bright deposits with a hardness of 130-180 HV<sub>20</sub> can be deposited. This type of bath is mainly used in the electronic industry, in rack as well as in barrel applications.



### Properties and Benefits

- Bright deposits
- Nickel alloyed
- Free of pores
- Exceptional throwing power
- Many applications possible: rack, barrel, reel-to-reel plating
- $L^* = 86, a = +10, b = +37$

### Application area

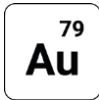
- Electronics

Aurega pure HS4\_E

our know-how  
is your success

[iwgplating.com](http://iwgplating.com)





Metal deposition



### Technical Data

Electrolyte properties		
Parameter	Range	Optimum
Specific gravity	11 – 14 °Bé/20 °C	
pH-Value	4,5	
Gold	3,8 – 4,2 g/l	4,0 g/l
Cathodic current density	0,5 - 3 A/dm <sup>2</sup> rack plating 0,2 – 0,5 A/dm <sup>2</sup> barrel plating	
Temperature	30 – 40 °C	30 °C
Current efficiency	approx. 55 – 70 mg/Amin depending on current density and gold content	
Rate of deposition	1 µm in approx. 1,4 min at 2 A/dm <sup>2</sup> 1 µm in approx. 4,6 min at 0,5 A/dm <sup>2</sup>	
Agitation	Necessary	
Anodes	Platinized titanium	
Anode-/Cathode ratio	minimum 2:1	

### Deposit characteristics

Hardness .....	130 – 180 HV <sub>20</sub>
Gold content.....	99,7%
Appearance .....	gold colored

### Products available

3435500.....	Aurega® pure HS 4 Make up 3:5
3435550.....	Aurega® pure HS 4 Replenisher 1
3435560.....	Aurega® pure HS 4 Replenisher 2
.....	Aurega® pure HS 4 Density correcting salt
.....	Aurega® pure HS 4 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)

Aurega pure HS4\_E

[iwgplating.com](http://iwgplating.com)



our know-how  
is your success