



Metal deposits



# Aurega<sup>®</sup> pure 2N18

## Bright yellow gold deposits

The goldprocess Aurega<sup>®</sup> pure 2N18 is a weak acidic electrolyte from which bright layers with constant colour and a hardness of about 200 - 240 Hv<sub>20</sub> can be deposited. A typical field of application are decorative applications. The deposits have approx. 23 carats.



### Properties and benefits

- Colour constant
- Weak acidic
- Approx. 23 ct
- Easy bathcontrol
- $L^* = 87, a = +5, b = +26$

### Application area

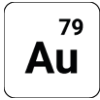
- Decorative applications

Aurega pure 2N18\_E

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## Technical Data

Electrolyte properties		
Parameter	Bereich	Optimum
Specific gravity	> 10°Bé/20°C	
pH-value	3,4 – 3,8	3,6
Gold	3,5 – 4,5 g/l	4,0 g/l
Temperature	31 – 33 °C	32 °C
Agitation	4 - 7 cm/sek	
Current density	Approx.. 1 A/dm <sup>2</sup>	
Anodes	Pt/Ti-Anodes	
Anode/Cathode ratio	Approx. 4:1	
Current efficiency at 1 A/dm <sup>2</sup>	Approx. 20 – 22 %	
Rate of deposition at 1 A/dm <sup>2</sup> for 1µm	Approx. 6 min, dependent on gold content 20 – 22 mg/Amin dependent on gold content	

### Deposit characteristics

appearance ..... yellow gold  
 Hardness ..... 200 – 240 Hv<sub>20</sub>

### Products available

3450500 ..... Aurega® pure 2N18 Make up 3:5  
 3450100 ..... Aurega® pure 2N18 Make up solution  
 3452000 ..... Aurega® pure 2N18 Ready to use  
 3451500 ..... Aurega® pure 2N18 Replenisher  
 3451200 ..... Aurega® pure 2N18 Density correcting salt  
 3451300 ..... Aurega® pure 2N18 pH-Correcting salt  
 1159400 ..... Potassium goldcyanide 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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