



Metal deposits



# Aurega<sup>®</sup> pure 210 GM

## Bright pure gold deposits up to 1 micron

The goldprocess Aurega<sup>®</sup> pure 210 GM is a neutral gold-I-cyanide based electrolyte, from which bright layers with a thickness of up to 1 µm can be deposited.

If the base material is suitable very thin layers of Aurega<sup>®</sup> pure 210 GM are already free of pores. The bath is suitable for rack plating as well as barrel plating.



### Properties and benefits

- Free of toxic heavy metals
- Pure gold
- Easy bathcontrol
- $L^* = 83, a = +9, b = +36$

### Application area

- Jewellery
- Optical frames
- Watches
- Coins

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## Technical Data

<b>Electrolyte properties</b>		
Parameter	Range	Optimum
pH-Value	6,8 – 7,2	7,0
Gold	1,8 - 2,2 g/l	2,0 g/l
Specific gravity	1,126 g/cm <sup>3</sup> ~ 16 °Bé/20 °C	
Temperature	30 – 35 °C	30 °C
Agitation	Necessary	
Current density rack	0,5 – 1 A/dm <sup>2</sup>	0,5 A/dm <sup>2</sup>
Current density barrel	0,3 – 0,5 A/dm <sup>2</sup>	0,3 A/dm <sup>2</sup>
Anodes	Pt/Ti-Anodes	
Anode:Cathode ratio	Min. 2:1	
Current efficiency at 1 A/dm <sup>2</sup> , 2 g/l Au, 30°C	14 mg/Amin	
Current efficiency at 0,5 A/dm <sup>2</sup> , 2 g/l Au, 30°C	15,9 mg/Amin	
Rack exposition time at 0,5 A/dm <sup>2</sup> for 0,1 µm	4 min	
Barrel exposition time at 0,3 A/dm <sup>2</sup> for 0,1 µm	8 min	

### Deposit characteristics

appearance ..... yellow gold

## Products available

3418100	Aurega® pure 210 GM Make up 7:10
3418150	Aurega® pure 210 GM Make up solution
3418000	Aurega® pure 210 GM Ready to use
3418200	Aurega® pure 210 GM Replenisher
3418500	Aurega® pure 210 GM Density correcting solution
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 210 GM LE

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