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# AURUNA<sup>®</sup> 500 LC

## ROSE GOLD ELECTROLYTE



### Rose gold layers for fine jewelry

AURUNA<sup>®</sup> 500 LC is a neutral electrolyte for depositing red 18 carat gold-copper coatings. The electrolyte works with low gold content, has a stable pH-value and works without free cyanide.

The alloy is mainly suitable for decorative applications such as jewelry and accessories. The layers are very hard and abrasion-resistant. As low-carat gold-saving coatings, they additionally exhibit a very good resistance to tarnishing and corrosion.



### Advantages

- Rose gold-copper layers
- Gold-saving coatings (approx. 18 kt)
- Tarnish and corrosion resistant
- Low gold content
- No free cyanide

### Applications

- Accessories
- Jewelry
- Watches
- Bathroom fittings
- Lighting
- Spectacle frames
- Writing utensils

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### TECHNICAL SPECIFICATIONS

Electrolyte characteristics		Coating characteristics	
Electrolyte type	neutral	Coating	Gold copper
Metal content	2 (1.5 - 3) g/l Au 1.5 (1.3 - 2) g/l Cu	Purity	approx. 75 wt.% Au approx. 25 wt.% Cu
pH value	7.0 (6.8 - 7.2)	Colour of deposit	Rose
Operating temperature	57 (55 - 60) °C	Hardness of deposit HV 0.025 (Vickers) approx. values	approx. 380 - 400 HV
Current density range	0.4 (0.3 - 1.0) A/dm <sup>2</sup>	Max. coating thickness	1.5 µm
Plating speed	approx. 0.12 µm/min at 0.4 A/dm <sup>2</sup>	Density	approx. 15 g/cm <sup>3</sup>

### YOUR CONTACT

Do you have a specific question or would you like a no-obligation quote calculation?  
Our specialist will be happy to help you with any technical questions you might have.



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