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# AURUNA<sup>®</sup> 570

## GOLD SILVER ELECTROLYTE



### Alkaline-Cyanide Gold Alloy Electrolyte – Gold-Saving

AURUNA<sup>®</sup> 570 is an alkaline-cyanide alloy electrolyte for depositing green-yellow gold coatings. The gold-silver alloy has a fineness of approx. 18 carats. The coatings are gold-saving, they are bright even as thick layers. For thin layers, a variant with a low gold content is available (AURUNA<sup>®</sup> 570 LC).

The long-term stable AURUNA<sup>®</sup> 570 electrolyte is easy to operate and suitable for rack and barrel. It is used for decorative applications.



### Advantages

- Gold-saving 18 carat layers
- Alkaline-cyanide gold alloy electrolyte
- Free of cadmium
- For decorative applications
- Bright even as thick layers
- Easy bath maintenance
- The coatings are RoHS compliant
- Suitable for rack and barrel

### Applications

- Jewellery
- Watches
- Spectacle frames
- Writing implements
- Lighting
- Household articles
- Cutlery
- Accessories

# AURUNA® 570

## GOLD SILVER ELECTROLYTE

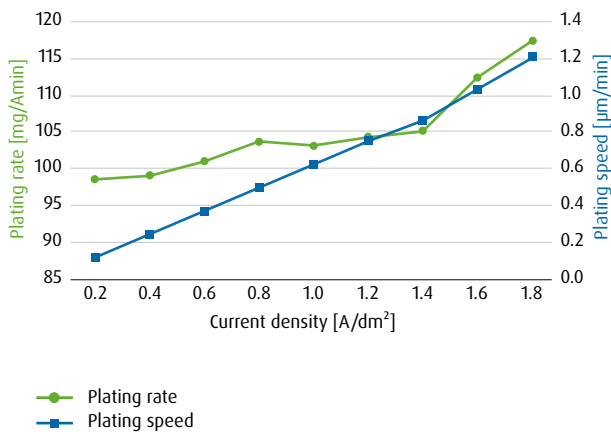


### TECHNICAL SPECIFICATIONS

Electrolyte characteristics	
Electrolyte type	Alkaline-cyanide
Metal content	8 (7.5 - 8.5) g/l Au 3 (2.5 - 3.5) g/l Ag
pH value	> 11
Operating temperature	35 (30 - 40) °C
Current density range	1.0 (0.2 - 1.8) A/dm <sup>2</sup>
Plating speed	Approx. 0.6 µm/min at 1.0 A/dm <sup>2</sup>
Anode material	Stainless steel

Coating characteristics	
Coating	Gold-silver
Alloy composition	75 wt. % Au 25 wt. % Ag
Colour of deposit	Green-yellow
Brightness	Bright
Hardness of deposit HV 0.015 (Vickers) approx. values	115 HV
Max. coating thickness	> 10 µm
Density of the coating	Approx. 15.5 g/cm <sup>3</sup>

#### Plating Speed and Plating Rate in Dependence on Current Density



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