



AURUNA® 570 Gold Silver Electrolyte

Alkaline-cyanide gold alloy electrolyte – gold-saving

AURUNA® 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® 570 LC).



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

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 ²
Plating speed	Approx. 0.6 µm/min at 1.0 A/dm ²
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	115 HV
Max. coating thickness	> 10 µm
Density of the coating	Approx. 15.5 g/cm ³

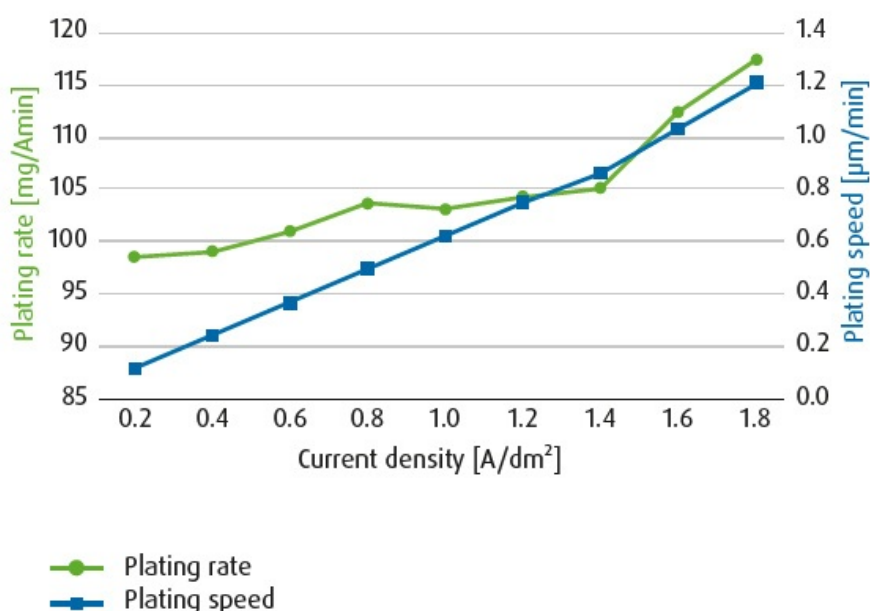
Advantages

- 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

Plating Speed and Plating Rate in Dependence on Current Density



Your contact person



Markus Legeler

Manager Sales International

T: +49 7171 607 204

F: +49 7171 607 316

[markus.legeler@eu.unicore.co](mailto:markus.legeler@eu.unicore.com)
[m](mailto:markus.legeler@eu.unicore.com)