

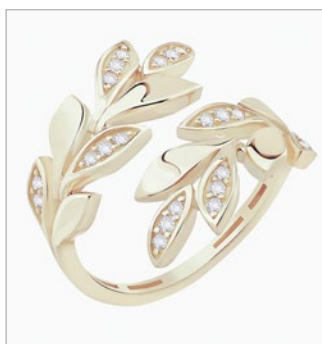


Version: 12 March 2025



AURUNA[®] 5750

GOLD SILVER ELECTROLYTE



Yellowish-white coatings as a gold-saving intermediate layer

The AURUNA[®] 5750 electrolyte can be used to deposit approx. 12-carat gold-silver coatings (50 wt.% gold / 50 wt.% silver). These gold-saving coatings are characterised by their silver-like (yellowish-white) colour and good tarnish resistance. They are the ideal choice for saving gold and are mainly used as an intermediate layer under high-carat top coats. A major advantage is the exceptionally good ductility of the coatings, which ensures high flexibility and resilience. The electrolyte is easy to handle, insensitive to metallic impurities and is suitable for rack and barrel products.

A version with a low gold content (LC for 'low content') is available for thin layers. We also offer a cyanide-free form of the initial concentrate and the replenisher solution.



Advantages

- Gold-saving, 12-carat layers
- Bright even in thick layers
- Excellent ductility of the coatings
- Simple electrolyte guidance
- Suitable for rack and barrel plating
- A version with a low gold content is available for thin layers
- Good abrasion resistance

Applications

- Jewelry
- Connectors

AURUNA® 5750

GOLD SILVER ELECTROLYTE

TECHNICAL SPECIFICATIONS

Electrolyte characteristics	
Electrolyte type	Alkaline-cyanide
Metal content	5 (4.5 - 5.5) g/l Au 3 (2.5 - 3.5) g/l Ag
KCN content	80 (70 - 90) g/l
pH value	12 (11.7 - 12.3)
Operating temperature	35 (30 - 40) °C
Current density range	1.0 (0.8 - 1.2) A/dm ²
Deposition speed	approx. 0.55 µm/min at 1.0 A/dm ²
Deposition rate	approx. 80 mg/Amin at 1.0 A/dm ²

Coating characteristics	
Coating	Gold silver
Purity	approx. 50 wt.% Au approx. 50 wt.% Ag
Colour of deposit	Yellowish-white
Brightness	Bright, brilliant
Hardness of deposit	approx. 220 HV
Max. coating thickness	approx. 3 µm (approx. 1 µm in the LC version)
Density	approx. 14.2 g/cm ³

Electrolyte characteristics LC version	
Metal content	2 (1.7 - 2.3) g/l Au 1.5 (1.3 - 1.7) g/l Ag
Current density range	0.6 (0.4 - 0.8) A/dm ²
Deposition speed	approx. 0.3 µm/min at 0.6 A/dm ²
Deposition rate	approx. 74 mg/Amin at 0.6 A/dm ²

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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