



PALLUNA® ACF-800 Pure Palladium Electrolyte

Ammonia-free and chloride-free

PALLUNA® ACF-800 is a newly developed neutral pure palladium electrolyte, which has a wide operating range and can be plated directly on nickel, copper or copper alloys.

PALLUNA® ACF-800 is ammonia-free and thereby avoids unpleasant smells. Furthermore the lifetime of the anodes is significantly extended and the corrosion of the system is immensely reduced by abstaining from the use of chloride. The produced layers are ultra-bright, crack-free and show low internal stress. At the same time they are ductile and extremely corrosion resistant.

By continuous activated carbon treatment organic decomposition products in the electrolyte can be removed.



Electrolyte characteristics

Electrolyte type	Free from ammonia and chloride
Metal content	12 (5 - 30) g/l Pd
pH value	6.5
Operating temperature	55 - 65 °C
Current density range	Up to 25 A/dm ²
Plating speed	Up to 4 µm/min at 20 A/dm ²
Anode material	MMO (type PLATINODE® 187 SO)

Coating characteristics

Coating	Pure palladium
Purity	99.9 wt.% Pd
Colour of deposit	White / light and bright

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Brightness	Bright
Hardness	Approx. 280 HV
Density of the coating	Approx. 12 g/cm ³
Corrosion resistance	Good

Advantages

- No unpleasant smell of ammonia
- Easy electrolyte maintenance
- High plating speed
- Neutral, ammonia-free and chloride-free electrolyte
- Ductile, ultra-bright and crack-free coatings
- Very good soldering and bonding features
- For rack and reel-to-reel operation

Applications

- Printed circuit boards
- Contacts on plug-in cards
- Smartcards
- On bonding wire

Your contact person



Markus Legeler

Manager Sales International

T: +49 7171 607 204

F: +49 7171 607 316

markus.legeler@eu.umicore.com