Aurocor K24 HF

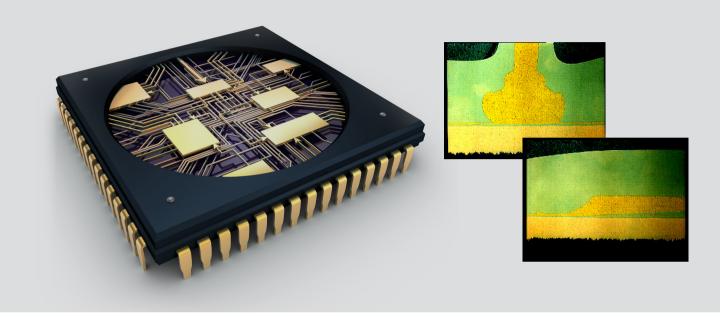
Highest purity gold for excellent bonding



Flectronics

Functional electronic coatings

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Excellent process and layer properties

Process information

- Neutral gold electrolyte
- Insensitive to metal contaminations
- Good layer thickness distribution and throwing power
- Excellent lifetime resulting in low maintenance costs
- Without alloying agents
- Free of arsenic and hydrazine
- Contains grain-refiner

Layer properties

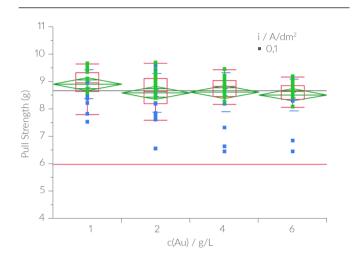
- Pure satin gold layers
- Hardness 70 90 HV 0.05
- Fine gold content 99.99%
- Corresponds to ASTM B 488 01 Type III Grade A all classes
- Good ductility
- Excellent bondability
- Tarnish and corrosion resistance are the same as for pure gold



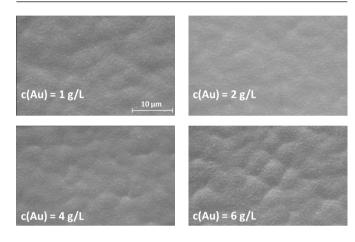
Aurocor K24 HF – High performance greengold process for excellent wire bondability

Enables superb wire bonding results at lowest gold content

Bonding performance 1-6 g/L Au i = 0.1 A/dm²



No influence of gold concentration on gold surface morphology visible



High tolerance toward metal impurities with fully-characterised data

Leg	Ni (mg/L)	Cu (mg/L)	Fe (mg/L)	Pb (mg/L)	рН	Bondability results
1	-	-	-	-	6.5	Good
2	25	-	-	-	6.5	Good
3	50	-	-	-	6.5	Good
4	100	-	-	-	6.5	Good
5	-	10	-	-	6.5	Good
6	-	20	-	-	6.5	Good
7	-	40	-	-	6.5	Poor
8	-	-	10	-	6.5	Good
9	-	-	20	-	6.5	Good
10	-	-	40	-	6.5	Good
11	100	-	-	-	4.0	Good
12	-	40	-	-	4.0	Poor
13	100	-	-	1	4.0	Poor
14	-	40	-	1	4.0	Poor
15	-	-	40	1	6.5	Good

- High tolerance to Ni (100mg/L) and Fe (40 mg/L)
- Cu contamination has a profound impact
 → tolerance limit 30 mg/L
- Bath pH has an influence

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