

Cupracid[®] copper

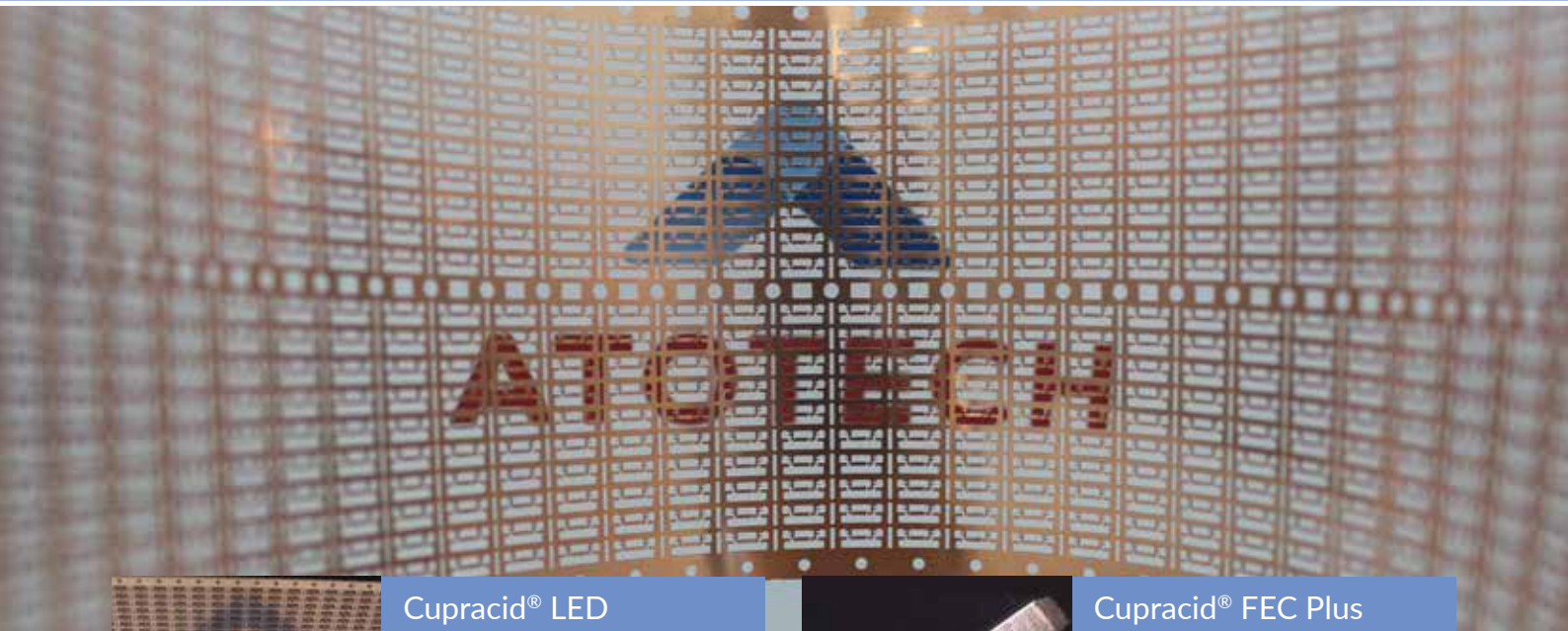
Our product family for acid copper plating



Electronics

Functional electronic coatings

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Cupracid[®] LED

Brightest deposit

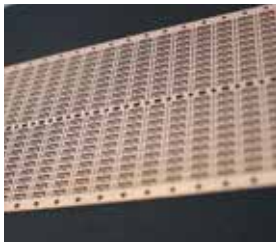
Extremely high levelling capacity to maximize reflectivity e.g. for LED lead frames



Cupracid[®] FEC Plus

High speed copper

Deposition for connectors, cables and more with ductile Copper



Cupracid[®] 380

Simply bright

High reliability and high levelling capacity combined for LEDs and more



Cupracid[®] Matt

Matt deposit

Improves the adhesion of molds etc.

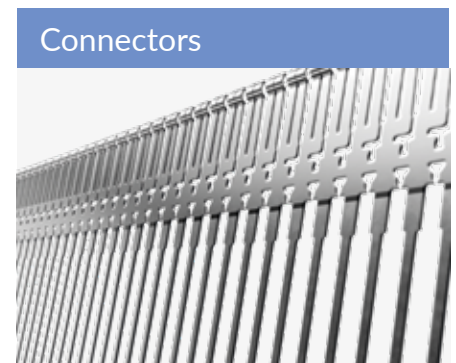
Cupracid[®] Cu

- Pure copper deposition from sulfuric acid solutions
- Ductile deposits
- Matt or bright deposits
- Available for high speed or rack and barrel plating tools
- Cupracid[®] LED and Cupracid[®] 380 can ideally be combined with Silvertch LED for highly reflecting deposition
- Excellent adherence to all Cu alloys

Cupracid[®] family – Pure copper deposition

Product	Cupracid [®] LED	Cupracid [®] 380	Cupracid [®] FEC Plus	Cupracid [®] Matt
Equipment	Reel to Reel & Rack	Reel to Reel	All	Reel to Reel
Deposition rates $\mu\text{m}/\text{min}$	0.4 – 1.3	0.4 – 1.6	3.3 – 5.5 0.2 – 1.3 (R&B)*	2 – 3
Deposition speed A/dm^2	2 – 6	2 – 7	15 – 25 1 – 6 (R&B)*	10 – 15
Appearance	Mirror bright	Mirror bright	Bright	Matt
Dye containing	Yes	No	No	No
Cutting edge	Highest levelling capacity for LED lead frames to maximize GAM	High levelling capacity used for LED lead frames – extremely stable process	Highest speed and most versatile copper process for very different applications	Improves adhesion to mold

* R&B = Rack and Barrel tools



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