



Metal deposition



Cudega[®] blend Zn

Brass layers without toxic heavy metals

Cudega[®] blend Zn is an alkaline cyanidic electrolyte to deposit a bright copper/zinc-layer of yellow colour. Cudega[®] blend Zn deposits are free of any toxic metals, especially free of lead.

Cudega[®] blend Zn can be used for decorative plating (nickel free products) as well as on the technical sector for example for cases or electrical contacts



Properties and Benefits

- Free of toxic metals
- Yellow colour
- Long bath shelf life
- $L^* = 92, a = 0,5, b = +24$

Application area

- Buttons
- Zip closure
- Electrical contacts
- Casings

Cudega blend Zn_E

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Technical Data

Electrolyte parameters		
Parameter	Range	Optimum
pH value	9,4 – 10,0	
Copper	16 – 20 g/l	18 g/l
Zinc	18 – 22 g/l	20 g/l
NaCN _{titrated}	65 – 75 g/l	70 g/l
NaCN _{free}	20 – 30 g/l	25 g/l
Temperature	50 °C	
Anodes	MS63/CuZn37	
Cathodic current density	0,25 – 1,5 A/dm ²	
Anodic current density	max. 1 A/dm ²	
Rate of deposition	Approx. 1 µm in 4 min at 1A/dm ²	

Deposit characteristics

Copper.....	~ 70 %
Zinc.....	~ 30 %
Specific gravity of deposit.....	~ 8,4 g/cm ³

Products available

0021300.....	Copper cyanide
1611000.....	Zinc cyanide
0021000.....	Sodium cyanide
1341200.....	Sodium hydrogencarbonate
3051100.....	Cudega® blend Zn Brightener 1
3051200.....	Cudega® blend Zn Brightener 2
3051300.....	Cudega® blend Zn Wetting agent

FOR ANY FURTHER INFORMATION WE WILL BE PLEASED TO BE AT YOUR DISPOSAL PERSONALLY UNDER +43 (0)2287 71073 OR OFFICE@IWGPLATING.COM

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