



Metal deposits



# Arega<sup>®</sup> pure 390

## Brilliant white deposits

Hard Silverbath Arega<sup>®</sup> pure 390 imparts an extraordinary white fine-silver deposit and is well suited for decorative and technical plating tasks.



### Properties and Benefits

- brilliant, white fine-silver deposit at approx. 0,5 – 2 A/dm<sup>2</sup>
- extraordinary throwing power
- better anti-tarnish properties than usual silver electrolytes
- easy maintenance of the electrolyte
- harder than usual silver layers
- L\* = 97, a = +0,2, b = +3

### Application area

- Jewellery
- Optical frames
- Watches
- Electric contacts

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## Technical Data

### Electrolyte properties

Parameter	Range	Optimum
Silver		
Rack	35 - 50 g/l	40 g/l
Barrel	23 - 30 g/l	20 g/l
Cyanide CN <sup>-</sup>	60 - 100 g/l	70 g/l
Carbonate	Max. 90 g/l	
pH-value	12 - 13,5	12,5
Temperature	18 - 30 °C	23 °C
Specific gravity	< 1,1263 g/cm <sup>3</sup> < 30°Bé	1,12 g/cm <sup>3</sup> 16°Bé
Cathodic current density		
Rack	0,5 - 2 A/dm <sup>2</sup>	1,3 A/dm <sup>2</sup>
Barrel	0,5 - 1 A/dm <sup>2</sup>	0,7 A/dm <sup>2</sup>
Anodic current density	0,5 - 2 A/dm <sup>2</sup>	
Voltage		
Rack	1 - 4 V	
Barrel	5 - 8 V	
Current efficiency	Approx. 99%	
Time for 0,6 µm at 1 A/dm <sup>2</sup>	approx. 1 minute	

### Deposit characteristics

Purity .....	99- 99,9 %
Hardness .....	150 - 220 mHV
Specific gravity .....	10,4 g/cm <sup>3</sup>

## Products available

3812600 .....	Arega® pure 390 Brightener 1
3812800 .....	Arega® pure 390 Brightener 2
1455000 .....	Potassium silver cyanide 54%

FOR ANY FURTHER INFORMATION WE WILL BE PLEASED TO BE AT YOUR DISPOSAL  
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