



Metal deposits



# Ruthega<sup>®</sup> pure HKD

## Dark ruthenium deposits from an acidic electrolyte

Ruthega<sup>®</sup> pure HKD is an acidic plating electrolyte which produces dark bright ruthenium deposits. Ruthega<sup>®</sup> pure HKD is mainly used for the deposition of decorative layers for watches, jewellery as well as for the spectacle industry..



### Properties and Benefits

- Dark deposits
- acidic electrolyte
- $L^* = 67, a = +0,7, b = +4,2$

### Application area

- Jewellery
- Optical frames
- Writing utensils

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## Technical Data

### Electrolyte properties

Parameter	Range
Specific gravity	6 – 7 °Bé/20°C
pH-Value	<1
Ruthenium	5,0g/l
Temperature	60 – 63 °C
Current density	1 – 2 A/dm <sup>2</sup>
Anodes	Platinized titanium mesh
Anode/cathode-ratio	2:1
Agitation	Necessary
Current efficiency	approx. 3 - 6 mg/Amin at 1 A/dm <sup>2</sup> and 5 g/l Ru dependent on the content of Ruthega® pure HKD Black additive

### Deposit characteristics

Appearance.....dark

## Products available

3567000 .....	Ruthega® pure HKD
3567050 .....	Ruthega® pure HKD Replenishment
3569900 .....	Ruthega® pure HKD Black additive
3566950 .....	Ruthega® pure HKD Density correcting salt

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

