



Metal deposits



# Rhodega<sup>®</sup> pure black

## black pure rhodium deposits

Rhodega<sup>®</sup> pure black process is an acidic electrolyte from which black deposits can be deposited.

A typical field of application is plating on jewellery, optical frames and watches.



### Properties and benefits

- Black
- Bright deposits
- High hardness
- $L^* = 63, a = +1, b = +3$

### Application area

- Jewellery
- Optical frames
- Watches

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## Technical Data

### Electrolyte parameters

Parameter	Range	Optimum
Rhodium	1,0 – 4,0 g/l	2,0 g/l
Sulfuric acid	30 – 50 g/l	35 g/l
Temperature	20 – 50°C	30°C
Current density cathodic (at 2 – 4V)	1 – 3 A/dm <sup>2</sup>	2 A/dm <sup>2</sup>
Current density anodic	0,2 – 0,5 A/dm <sup>2</sup>	
Anode:Cathode-Ratio	2:1 bis 8:1	4:1
Agitation	slow	
Current efficiency at 2 A/dm <sup>2</sup>	approx. 1 mg/Amin	

### Deposit characteristics

Appearance..... black

## Products available

3503000 .....	Rhodega® pure black 4 g/100 ml
3503001 .....	Rhodega® pure black 2 g/50 ml
3503100 .....	Rhodega® pure black E 4 g/100 ml
3503101 .....	Rhodega® pure black E 2 g /50 ml
3502900 .....	Rhodega® pure black Blackening 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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