



Metal deposits



Ruthega[®] pure N black

Dark ruthenium deposits from a neutral electrolyte

Ruthega[®] pure N black is a neutral plating electrolyte which produces dark bright ruthenium deposits and is mainly used for the deposition of decorative layers for watches, fashion jewellery as well as for the spectacle frame industry.



Properties and Benefits

- Dark deposits
- Neutral electrolyte
- $L^* = 64, a = +1, b = +3,5$

Application area

- Jewellery
- Optical frames
- Writing utensils

Ruthega pure N black_E

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Technical Data

Electrolyte properties		
Parameter	Range	
Ruthenium	2,0 – 4,0 g/l	
pH-Value	5,5 – 7,5	2 g/l Ru: preferably 5,5 4 g/l Ru: preferably 7,0
Specific gravity	6 – 7 °Bé	
Temperature	60 – 65 °C	
Current density	1 – 2 A/dm ²	
Anodes	Platinized titanium mesh or mixed oxides	
Anode/cathode-ratio	2:1	
Agitation	Necessary	
Current efficiency	approx. 2,5 - 4 mg/Amin at 1 A/dm ² and 2 g/l Ru dependent on the content of Ruthega® pure N Blackening agent	

Deposit characteristics

Appearance.....dark

Products available

3569000	Ruthega® pure N black Ready to use
3569100	Ruthega® pure N Ruthenium solution
3569300	Ruthega® pure N Blackening agent
3569200	Ruthega® pure N Density correcting salt
3569400	Ruthega® pure N black Wetting agent
3568400	Ruthega® pure N Purification resin

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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