

RUTENOR 205C

RUTHENIUM FOR PLATING BATH

Colour : **Extra black**

Use : **Bath**

Colour coordinates : **L:35.0**

a:0.2

b:0.8

Product description

RUTENOR 205C is a ruthenium plating bath concentrated with incomparable technical and qualitative characteristics. The properties of the deposit make this plating bath a point of reference for all users looking for a precious, premium real black finishing. The deposit obtained is made of 100% ruthenium metal.

Operating conditions

Parameter	Average suggested value
Deposition time	300 seconds
Temperature	65 °C
Voltage	3.0 V
Current density	6.0 A/dm ²
Cathodic efficiency	4 mg/Amin
Deposition speed	0.02 u/min
Anodes	Ti/Pt net
Agitation	Moderate
Ventilation	Necessary

Maintenance of plating bath

For small plating solution volumes (up to 10 litres) we suggest to use the bath without replenisher . For higher volumes we suggest to use the related replenisher composing the bath:

- **RUTENOR 250R** : add 8 ml every 100 Amin.
- **RUTENOR 200RA** : add 3 ml/l of in the starting phase and add 0.3 ml/l after each rack.
- **RUTENOR 200RAX** : add 3 ml/l of in the starting phase and add 0.3 ml/l after each rack.
- **RUTENOR 200S** : add after analysis.

Safety Information

Please refer to the safety data sheets for any information regarding safety and disposal (MSDS).

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The RUTENOR 205C process is available in concentrated form and it is supplied in 2 bottles (500 ml RUTENOR 200RB + 100ml RUTENOR 200RA). In order to prepare 1 litre ready to use follows these steps :

1. In one liter beaker , add 500 ml of RUTENOR 200RB (dark solution)
2. Add 440 ml of distilled water
3. Add 60 ml of RUTENOR 200RA (transparent solution), stir the solution and wait 12 hours.
4. Heat the solution under stirring and use the bath.

Products related

Cod.Articles	Description	Colour	Packaging
RU012001	RUTENOR 205C concentrated ruthenium for bath	Black	5 g/600ml
RU012801	RUTENOR 200BS make up solution concentrated		ND
RU011101	RUTENOR 250R Ruthenium replenisher 50 g/l		1 L
RU011102	RUTENOR 250R Ruthenium replenisher 50 g/l		100 ml
RU011201	RUTENOR 200S conducting salts		1 kg
RU011301	RUTENOR 200RA Blackening additive		1 L
RU011302	RUTENOR 200RA Blackening additive		100 ml
RU013001	RUTENOR 200RAX process stabilizer additive		5 L