

### RODINOR 144

RHODIUM FOR PLATING BATH

Colour : **White**

Use : **Bath**

Colour coordinates : **L:90.2**

**a:1.2**

**b:1.9**

#### Product description

RODINOR 144 is a white rhodium plating concentrate bath with incomparable technical and qualitative characteristics. RODINOR 144 is characterized by advanced, even distribution of the deposit and an intense coloured rhodium. The special rhodium complex used combined with new generation additives make RODINOR 144 the ideal choice for mass production with consumption under 40% compared to traditional white rhodium plating .

#### Operating conditions

Parameter	Average suggested value
Deposition time	40 seconds
Temperature	40 °C
Voltage	4.0 V
Current density	4.0 A/dm <sup>2</sup>
Cathodic efficiency	2 mg/Amin
Deposition speed	0.07 µm/min
Anodes	Ti/Pt net
Agitation	Moderate

#### 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:

- **RODINOR 145R**,add 4 ml every 100 Amin.
- **RODINOR 140RA**,add after analysis.

#### Safety Information

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

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#### Preparation of the galvanic bath

RODINOR 144 is supplied in concentrated version 4g/100ml. In order to prepare 2 L of ready to use solution is necessary following the right steps :

1. Arrange the working tank switching on the ventilation and all the safety devices.
2. Add 1 bottle of rhodium containing 4g/100 ml of RODINOR 144.
3. Add 1900 ml of demineralised water and mix.
4. Set the right working temperature.
5. Wait till the working temperature and start with plating operation.

#### Products related

Cod.Articles	Description	Colour	Packaging
RH010201	RODINOR 144 concentrated rhodium for bath	White	4 g/100ml
RH010301	RODINOR 145R Rhodium replenisher 5 g/100ml		100ml
RH010401	RODINOR 140RA Brightener additive for rhodium bath		1 L
RH010501	RODINOR 140RA Brightener additive for rhodium bath		100 ml