

RODINOR 300 *series*

RHODIUM FOR PEN PLATING

Colour : **white/black/blue**

Use : **Pen**

Colour coordinates : **See table 2 pag.3**

Product description

RODINOR 300 series is a rhodium plating for pen with incomparable technical and qualitative characteristics. The properties of the deposit make this plating bath a point of reference for all goldsmiths looking for of unparalleled white and brilliant finishing for their jewellery items. The products composing the RODINOR 300 series are:

- **RODINOR 321** (white rhodium for pen plating ready to use 2g/100ml)
- **RODINOR 322** (black rhodium for pen plating ready to use 2g/100ml)
- **RODINOR 323** (blue rhodium for pen plating ready to use 1g/100ml)

Application field

RODINOR 300 must to be used for pen plating and It is particularly suitable on all jewellery items where the pen deposition is required. RODINOR 300 can be deposited directly on Silver, Palladium, Gold, ; an intermediate deposit of Nickel and Gold is necessary before to plate Tin, Lead, Zinc, Cadmium, Aluminium, copper, nickel and Iron.

Operating conditions and deposit data

Parameter	UM	Operative range	Optimum
Rhodium concentration	g/l	20	20
Temperature	°C	Room temperature	Room temperature
Deposition time	s	10 - 60	—
Voltage	V	3.0 - 11.0	See TABLE 1 pag.2

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Packaging

The product is contained in a high-density polyethylene bottle.

Preparing objects

For maximum performance the items should be cleaned before using ultrasonic wash treatments with special cleaning agents, then electro-degreased with an electrolytic degreasing treatment. For better results is recommended to use the electrolytic degreaser CLEANOR 101 (see the technical chart)

Temperature

The RODINOR 300 series gives best performance between 22-35°C.

The right voltage (TABLE 1)

Product	Brown tips	White tips	Graphite tips
RODINOR 321	9 - 11	9 - 11	3 - 5
RODINOR 322	8 - 10	8 - 10	3 - 5
RODINOR 323	7 - 9	Non use	3 - 5

Equipment and advices

The RODINOR 300 series must to be applied by pen with a pen plating machines or similar. The best tips for our experience are the brown ones softener compared with the white ones. The deposition with the traditional white tips requires particular attention from the operator. Take care with high voltages, because they can cause different hues from the desired one. In this case we underline the importance of the operator, which means that only with the experience with the product can understand the right parameters in order to obtain the perfect result.

Galvanic bath maintenance

The RODINOR 300 series does not require any maintenance.

Notes

Instructions indicated in Our Process technical data sheets are the result of attentive checks and have been written as a guideline. They represent the best of our knowledge and refer to a normal use of our products. Such products are guaranteed in their quality up to the delivery: we cannot guarantee for the correct use of them, as this action is not under our direct control (addition or correction to plating baths are made by customer's personnel). As a consequence, process instructions have not to be intended as a guarantee of the final result in the use of our products.

Safety Information

Being an irritating solution , check carefully the related safety data sheet. (MSDS)

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Colour coordinates (TABLE 2)

Product	L	a	b
RODINOR 321	88.6	0.7	2.3
RODINOR 322	58.0	-0.5	2.0
RODINOR 323	28.5	-5.2	-22.0

Related products

Cod.Article	Description	Colour	Packaging
RH030101	RODINOR 321 rhodium for pen plating ready to use	White	2g/100ml
RH030201	RODINOR 322 rhodium for pen plating ready to use	Black	2g/100ml
RH030301	RODINOR 323 rhodium for pen plating ready to use	Blue	1g/100ml