

General Catalogue



professional plating solutions & machinery







Berkem Srl is the only Italian chemical company specializing in electroplating that designs, develops, produces and commercializes a wide range of innovative, performing and reliable galvanic products and machinery for the goldsmith, fashion, medical and applied engineering industry.

The effectiveness and quality of Berkem formulations are guaranteed by:

- in-house production of all solutions;
- check and control of all process phases;
- use of metal sponges, sheets and ingots of the highest purity as raw materials;
- full process customization.

LABORATORY ANALYSES & TEST SERVICE

Berkem has two in-house specialized and technologicallyadvanced analytical laboratories dedicated to research and development of new processes, production quality control and customer technical assistance.

Efficient quality control processes according to strict analytical standards, combined with continuous investment in Research & Development and improvement of the supply chain are crucial in order to allow us ensuring the marketing of repeatable products also expanding and improving our quality products offer.

Berkem offers an accurate analysis service for any galvanic process and any verification need on its deposits.

Berkem's laboratories allow performing the following chemical analyses and laboratory tests:

- chemical analysis of metals in solution by means of plasma optical emission spectroscopy (ICP-OES);
- spectroscopic analysis by X-ray fluorescence (XRF);
- chemical analysis of substances by UV-VIS spectrophotometry;
- photometric analysis of colour;
- resistance analysis of galvanic deposits;
- infrared spectroscopic analysis (FTIR);
- volumetric, conductometric, potentiometric and pH chemical analyses;
- electrochemical analysis of galvanic deposits;
- cyclic voltammetry analysis.

CUSTOMIZATIONS

Berkem transforms flexibility, creativity and knowledge into the maximum customization of product and service by meeting the needs of individual customers and materializing in the research and production of exclusive products.

Interaction with the customer creates the necessary involvement that materializes into excellent products for both parties. Berkem offers customization service for all galvanic processes in order to guarantee its client unique finishes, distinctive colours and alloy deposits suitable for use.

RESEARCH & DEVELOPMENT

Thanks to Research & Development and the cutting-edge production technology, Berkem transforms the experience gained in 10 years of activity on the market into actual successful opportunities for its customers.

Berkem Research&Development is the set of forward-looking activities focused on:

- increasing knowledge;
- making innovation available;
- improving existing products and create new ones;
- making production processes more efficient.

The significant collaborations with research institutes and Universities focused on research projects and tests on new formulations and technologies, and the growing destination of corporate investments in laboratory instruments and production technology allow Berkem to strengthen its skills with a view to continuous improvement.

The innovative technologies are considered essential for production efficiency and the quality of the final product, but the role of individuals at any level of the internal process remains the cornerstone of the corporate strategy that incentivizes teamwork, training and value of people.

THE QUALITY SYSTEM CERTIFICATION

Quality is the priority objective and reference for all business functions in the everyday routine of their work: from choosing raw materials, to the reliability of the machinery and the entire production process, to the tests and meticulous checks of each processing stage. Customer satisfaction is the nourishment of the efforts, and the certifications obtained are the proof of investments made to ensure the practicality of the work.

The compliance with international standards and its constant verification guarantee our reliability.



Berkem's commitment to act in a responsible and sustainable way results in certified processes for ethics, quality (UNI EN ISO 9001:2015), respect for the environment (UNI EN ISO 14001:20015), health and safety in the work environment (UNI EN ISO 45001:2018).

This effort is the testament to the effective will to:

- provide products that meet customer requirements;
- increase the customer satisfaction respecting the service;
- reduce the environmental impact of the production process;
- protect the health, safety and welfare of their employees.





ETHICS & SUSTAINABILITY



Berkem has an ethical and sustainable business idea, namely capable of creating economic value without compromising the resources of future generations, and for this purpose is committed to look for the best solutions on a daily basis in compliance with various interests and in particular with the value of

human life, man and respect for the environment. Working towards a responsible business is a decision that must be made by each person aware and involved. Cooperating with those who share a common environmental protection project is a fundamental step to make the most of the investment launched in process improvement and technological renewal.

This commitment is highlighted by the international environmental and safety certifications UNI EN ISO 14001:2015 and 45001:2018 obtained and focused on showing an ecofriendly production which favors low environmental impact.



In 2019 Berkem became a certified member of the Responsible Jewellery Council, an international non-profit Organization that brings together companies operating in the jewellery sector focused on building a responsible

supply chain for diamonds, gold, coloured stones, silver and platinum "from the mine to the consumer". The RJC has finalized a reference standard for the industry, RJC Code of Practices, based on established international principles in order to promote responsible business standards and practices.



In December 2022, Berkem obtained the RJC Chain of Custody (CoC) certification. This is a voluntary certification for RJC members and gives our customers and suppliers the assurance they need about how precious metals

are purchased, tracked and processed through the supply chain. It provides a guarantee of the integrity of our products and materials.

Berkem offers a special line of precious plating solutions, salts and precious compounds obtained from 100% recycled and RJC CoC compliant metals.



Berkem pays the utmost attention to every detail when choosing its packaging by seeking solutions capable of best preserving all products and minimizing environmental impact by complying with regulations and its commitment to sustainable production.

HIGH QUALITY MATERIALS FOR GREATER CHEMICAL AND MECHANICAL RESISTANCE

SINGLE TYPE OF MATERIAL (PP) FOR LABELS, LIDS, BOTTLES, TUBS AND CANS TO FACILITATE DISPOSAL

6

ANTI-TAMPER SAFETY SEAL

CERTIFIED PACKAGING FOR MAXIMUM SAFETY WHERE REQUIRED BY LAW

INNOVATIVE DESIGN

LARGE LABEL FOR EASIER READING



How to read symbols



SALTS & PRECIOUS COMPOUNDS

Berkem produces in-house all salts and precious compounds, that are obtained exclusively from selected metal sponges and analytical grade reagents, thus enabling it to guarantee the high quality and purity level for achieving optimal performances.

GOLD

GOLD		formula	concentration	packaging	code
AURICOR 1683RGS	potassium gold (I) cyanide	KAU(CN) ₂	Au: 68.3 %	100 g	OR020701
AURICOR 258RGS	potassium gold (III) cyanide	KAU(CN)4	Au: 58 %	100 g	OR013501
AURICOR 100ASL	triammonium gold (I) disulphite	(NH ₄) ₃ Au(SO ₃) ₂	Au: 100 g/l	1 L	OR0211401
AURICOR 100PSL	potassium gold (I) sulphite	$K_{3}Au(SO_{3})_{2}$	Au: 100 g/l	1 L	OR0211501
AURICOR 100SSL	sodium gold(I) sulphite	Na ₃ Au(SO ₃) ₂	Au: 100 g/l	1 L	OR0211601
AURICOR 200CL	tetrachloroauric (III) acid	HAUCI4	Au: 200 g/l	1 L	OR0211701

Rh

Pd

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RHODIUM		formula	concentration	packaging	code
RODINOR 100S	rhodium (III) sulphate	$Rh_2(SO_4)_3$	Rh: 100 g/l	1 L - 100 g	RH011701
RODINOR 100P	rhodium (II) phosphate	RhPO₄	Rh: 100 g/l	1 L - 100 g	RH011801

PALLADIUM		formula	concentration	packaging	code
PALLADOR 100CL	tetrachloropalladous (II) acid	H ₂ PdCl ₄	Pd: 100 g/l	1 L	PD016101
PALLADOR 100SL	palladium (II) sulphate solution	PdSO ₄	Pd: 100 g/l	1 L	PD015901
PALLADOR 100NL	palladium (II) nitrate	Pd(NO ₃) ₂	Pd: 100 g/l	1 L	PD016001
PALLADOR 100SGS	diammine palladium (II) chloride	Pd(NH ₃) ₂ Cl ₂	Pd: 50 %	100 g Pd	PD016401
PALLADOR 150DDL	dinitritediammine palladium (II)	$Pd(NH_3)_2(NO_2)_2$	Pd: 150 g/l	1 L	PD016301
PALLADOR 100DTL	tetrammine palladium (II) chloride solution	$[Pd(NH_3)_4]Cl_2$	Pd: 100 g/l	1 L	PD016201
PALLADOR 100DTS	tetrammine palladium (II) chloride	$Pd(NH_3)_4Cl_2 \cdot 1H_2O$	Pd: 39-43 %	100 g Pd	PD016601
PALLADOR 100TSS	tetrammine palldium (II) sulphate	Pd(NH ₃) ₄ SO ₄	Pd: 38-40 %	100 g Pd	PD016501
PALLADOR 50TSL	tetrammine palladium (II) sulphate solution	$[Pd(NH_3)_4]SO_4$	Pd: 50 g/l	1 L	PD017301

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PLATINUM		formula	concentration	packaging	code
PLATINOR 50DNS	hydrogen dinitrosulphato platinate (II)	$H_2[Pt(NO_2)_2SO_4]$	Pt: 50 g/l	1 L	PT012201
PLATINOR 100ACP	hexachloroplatinic (IV) acid	H ₂ PtCl ₆	Pt: 100 g/l	1 L	PT010501
PLATINOR 100DDN	diammine dinitrite platinum (II)	$Pt(NH_3)_2(NO_2)_2$	Pt: 50-60 %	100 g Pt	PT010601
PLATINOR 100TCL	tetrammine platinum (II) chloride	$[Pt_2(NH_3)_4]Cl_2$	Pt: 100 g/l	1 L	PT010801
PLATINOR 100SEP	sodium hexachloroplatinate (IV)	Na ₂ PtCl ₆	Pt: 100 g/l	1 L	PT010701
PLATINOR 100SGS	diammonium exachloro platinate (IV)	(NH ₄) ₂ PtCl ₆	Pt: 43 %	100 g Pt	PT012301
PLATINOR 100TDN	tetrammine dinitritde platinum (II)	$Pt(NH_3)_4(NO_2)_2$	Pt: 100 g/l	1 L	PT012401
PLATINOR 100PEP	potassium hexachloroplatinate (IV)	K ₂ PtCl ₆	Pt: 100 g/l	1 L	PT010901

Rυ	Ru RUTHENIUM		formula	concentration	packaging	code
	RUTENOR 100CL	rutenium (III) trichloride	RuCl ₃	Ru: 200 g/l	1 L	RU012601
	RUTENOR 100CLS	rutenium (II) trichloride solution	RuCl ₃	Ru: 40 %	100 g Ru	RU013201
	RUTENOR 50S	triammonium, diaquaoctachloro-µ- nitridodiruthenate (IV)	$(NH_4)_3[Ru_2NCI_8(H_2O)_2]$	Ru: 50 g/l	1 L	RU011601



SILVER		formula	concentration	packaging	code
SILCOR 293OS	silver (I) oxide	Ag ₂ O	Ag: 93 %	1 kg	AG030101

AU AURICOR[®] 100



alkaline gold flash solutions for bath plating

AURICOR 100 line comprises a series of alkaline processes used for flash decorative plating depositions (< 0.2 microns) in different colour shades: from light yellow (1N - 14 kt) to deep pink (6N).

All AURICOR 100 processes are free from Nickel and further allergenic substances. The line consists of ready to use solutions which are effortless and low-maintenance as well as guarantee uniform and shiny layers of caratage between 20 and 22 kt.

AURICOR 101N

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	L*	91.0	code	OR026401
	a*	0.4	form	ready to use
	b*	34.5	concentration	Au: 0.8 g/l
yellow 1N - 14 k	ct		packaging	1 L

AURICOR 103N

L*	89.6	code	OR026601
a*	4.0	form	ready to use
b*	28.5	concentration	Au: 0.8 g/l
		packaging	1 L
	a*	a* 4.0	a* 4.0 form b* 28.5 concentration

AURICOR 105N

6	L*	87.5	code	OR026801
	a*	8.3	form	ready to use
	b*	22.5	concentration	Au: 0.8 g/l
yellow 5N			packaging	1 L

AURICOR 124

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	L*	85.5	code	OR027001
	a*	7.3	form	ready to use
	b*	37.8	concentration	Au: 0.8 g/l
ellow 24 kt			packaging	1 L

OPERATIONAL SETTINGS ▲ 45 sec ↓ 45 - 65° C 夕 4.0 V ▲ Ti/Pt or stainless steel time anode temperature voltage

AURICOR 102N

	L*	90.3	code	OR026501
	a*	2.0	form	ready to use
	b*	30.0	concentration	Au: 0.8 g/l
yellow 2N - 18 k	t		packaging	1 L

AURICOR 104N

	L*	88.2	code	OR026701
	a*	6.0	form	ready to us
	b*	25.5	concentration	AU: 0.8 g/l
yellow 4N			packaging	1 L

form	ready to use
concentration	Au: 0.8 g/l
packaging	1 L

AURICOR 106N

	L*	85.8	code	OR026901
	a*	10.6	form	ready to use
	b*	14.8	concentration	Au: 0.8 g/l
pink 6N			packaging	1 L

AURICOR 124P

	L*	85.5	code	OR021205
	a*	7.3	form	powder
	b*	37.8	concentration	Au: 0.8 g/100 g
yellow 24 kt			packaging	100 g

Make-up & Maintenance

So Make-up & Mainter	concentration	packaging	code	
AURICOR 100BS	make up solution		1 - 25 L	OR022710
AURICOR 100SF	make up salts		1 kg	OR027501
AURICOR 110RAG-1L	silver replenisher	Ag: 10 g/l	1 L	OR027101
AURICOR 110RAG-100ML	silver replenisher	Ag: 1 g/100 ml	100 ml	OR027105
AURICOR 110RCU-1L	copper replenisher	Cu: 10 g/l	1 L	OR027201
AURICOR 110RCU-100ML	copper replenisher	Cu: 1 g/100 ml	100 ml	OR028501
AURICOR 100RGL-1L	gold replenisher	Au: 100 g/l	1 L	OR027301
AURICOR 100RGL-100ML	gold replenisher	Au: 10 g/100 ml	100 ml	OR028601
AURICOR 100RA	brightener additive		250 ml	OR020705



AURICOR® 201



acid gold flash solutions for bath plating on stainless steel and titanium alloys –

AURICOR 201 is a strongly acid gilding which acts as a primer on metal surfaces, such as stainless steel or titanium alloys where the adhesion is difficult, in order to prepare the surface for the next decorative plating solution. AURICOR 201 ensures long-term stability and durability of the final deposition.



AURICOR 201

	L*	87.7	code	OR013301
	a*	3.4	form	ready to use
	b*	34.2	concentration	Au: 1 g/l
yellow 24 kt			packaging	1 L

😚 Make-up & Mo	concentration	packaging	code	
AURICOR 201RI	indium replenisher	ln: 20 g/l	1 L	OR012101
AURICOR 201RAU	gold replenisher	Ag: 20 g/l	1 L	OR011601
AURICOR 2015	conducting salts		1 kg	OR013601



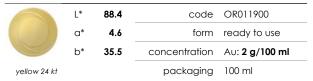
AURICOR® 325

acid gold flash solutions for pen plating on stainless steel

AURICOR 325 is an acid gilding for pen plating which acts as a primer on stainless steel surfaces where deposition is difficult, in order to prepare the surface for the next decorative plating solution.

AURICOR 325 is perfect to emphasise small and specific details.

AURICOR 325









AU AURICOR® 300

alkaline gold flash solutions for pen plating

AURICOR 300 comprises a series of alkaline gildings for pen plating processes developed for decorative applications on precious metals. AURICOR 300 consists of ready to use solutions which guarantee bright shades ranging from light yellow 1N-14 kt colour to deep pink 6N colour.

AURICOR 300 is perfect to emphasise small and specific details and to cover solder joints.

AURICOR 301N

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	L*	90.4	code	OR027601
	a*	0.6	form	ready to use
	b*	35.5	concentration	Au: 1 g/100 ml
yellow 1N - 14 kt			packaging	100 ml

AURICOR 303N

0	L*	90.0	code	OR027801
	a*	3.5	form	ready to use
S	b*	28.5	concentration	Au: 1 g/100 ml
yellow 3N			packaging	100 ml

AURICOR 324

	L*	88.4	code	OR028001
	a*	4.6	form	ready to use
	b*	35.5	concentration	Au: 2 g/100 ml
yellow 24 kt			packaging	100 ml

OPERA	ATIONAL SETTING	S
🚺 7 - 15 sec	room temp	∲ 6.0 V
time	temperature	voltage

Ni Cd Co

AURICOR 302N

	L*	90.1	code	OR027701
	a*	1.8	form	ready to use
	b*	29.9	concentration	Au: 1 g/100 ml
yellow 1N - 18 ki	t		packaging	100 ml

AURICOR 306N

	L*	85.7	code	OR027901
	a*	10.6	form	ready to use
	b*	15.2	concentration	Au: 0.3 g/100 ml
pink 6N			packaging	100 ml

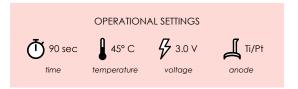
AU AURICOR® 401



green gold flash solutions for bath plating

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AURICOR 401 is a particular decorative gold flash plating solution, cyanide-free and ready to use, capable of depositing a green colouring gold-cadmium alloy as interesting alternative to traditional jewellery colours.



AURICOR 401

	L*	82.0	code	OR028101
	a*	-3.0	form	ready to use
	b*	25.0	concentration	Au: 1 g/l
green			packaging	1 L

AU AURICOR® 404

Hamilton gold flash solutions for bath plating



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AURICOR 404 is a decorative alkaline flash plating solution capable of depositing a standard yellow colouring gold Hamilton alloy.

OPERATIONAL SETTINGS					
(45 sec	50° C	₽ 4.0 V	Ti/Pt or stainless steel		
time	temperature	voltage	anode		

AURICOR 404

	L*	89.5	code	OR0211001
	a*	3.5	form	ready to use
	b*	36.0	concentration	Au: 1 g/l
Hamilton			packaging	1 L



S

AU AURICOR® 406

brown gold flash solutions for bath plating

AURICOR 406 is a particular acid based gold plating solution, able to deposit a brown colour alloy of gold/ copper/ruthenium.

This gold plating solution is composed by a sophisticated organic matrix to stabilize the electrolyte and guarantee an easy maintenance of the process. The brown colour shade can be adjusted by using a special additive.

AURICOR 406

	L*	70.0	code	OR011701
	a*	8.5	form	ready to use
	b*	18.0	concentration	Au: 1 g/l
brown			packaging	1 L

℅ Make-up & Maintenance

Make-up & Mainter	concentration	packaging	code	
AURICOR 406RA-1L	darkening additive		1 L	OR011101
AURICOR 406RA-100ML	darkening additive		100 ml	OR016301
AURICOR 406RCU	copper replenisher	Cu: 2.5 g/l	1 L	OR011201
AURICOR 406RRU	ruthenium replenisher	Ru: 10 g/l	1 L	OR011301
AURICOR 406RAU	gold replenisher	Au: 20 g/l	1 L	OR011401
AURICOR 406SA	conducting salts A		1 kg	OR016101
AURICOR 406SB	conducting salts B		1 kg	OR016201

Ni Cd Co

50° C ₽ 3.0 V temperature voltage

OPERATIONAL SETTINGS

150 sec

time

fi/Pt anode

AU AURICOR® 407



alkaline gold flash solutions for bath plating

AURICOR 724 is a decorative alkaline flash plating solution, totaly heavy metals free, capable of depositing a yellow 23 kt gld colouring (Dubai colour)

	OPERATI	onal settii	NGS
1 45 sec	50° C	₽ 4.0 V	Ti/Pt or stainless steel
time	temperature	voltage	anode

AURICOR 407

	L*	87.0	code	OR024601
	a*	9.0	form	ready to use
	b*	36.0	concentration	Au: 1 g/l
Dubai yellow			packaging	1 L



AU AURICOR® 502N | 524

acid gold thickness solutions for bath plating –

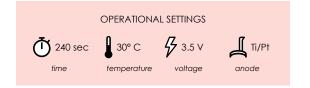
AURICOR 502N and 524 are high-tech slightly acid gildings which can easily deposit gold thicknesses up to 5 microns. Respective deposition colours are yellow 2N - 18 kt and yellow 24 kt.

AURICOR 502N and 524 produce strong bright gold coats in 23 - 24 kt which provide an excellent resistance to corrosion.

AURICOR 502N

yellow

	L*	84.0	code	OR013801
	a*	5.1	form	ready to use
	b*	27.5	concentration	Au: 4 g/l
v 2N - 18 kt			packaging	1 L



Cd

AURICOR 524

	L*	84.5	code	OR013701
	a*	7.8	form	ready to use
	b*	30.6	concentration	Au: 4 g/l
yellow 24 kt			packaging	1 L

So Make-up & Mo	concentration	packaging	code	
AURICOR 502N-BS	make up solution		1 - 25 L	OR014301
AURICOR 502NR	gold replenisher	Au: 2 g/200 ml	200 ml	OR010201
AURICOR 524R	gold replenisher	Au: 2 g/200 ml	200 ml	OR010101
AURICOR 540RI	indium replenisher	ln: 40 g/l	1 L	OR027105
AURICOR 540RC	cobalt replenisher	Co: 40 g/l	1 L	OR014001
AURICOR 540RN	nickel replenisher	Ni: 40 g/I	1 L	OR014101
AURICOR 500RA	stabilizing additive		1 L	OR014201
AURICOR 500SA	conducting salts A		lkg	OR014501
AURICOR 500SB	conducting salts B		1 kg	OR015101
AURICOR 500SC	conducting salts C		1 kg	OR011505
AURICOR 500RGL	gold replenisher	Au: 10 g/100 ml	100 ml	OR014401



AURICOR[®] 535



acid gold thickness solutions for bath plating

AURICOR 535 is a high technical level weakly acid gilding for thickness, with a light fashion yellow colour (yellow 2N -3N) capable of depositing a gold-iron-indium Ni-free alloy up to 1 micron in 23 kt.



packaaina

concentration

AURICOR 535

	L*	84.5	code	OR016401
	a*	4.5	form	ready to use
	b*	28.0	concentration	Au: 2 g/l
yellow 2N - 3N			packaging	1 L

So Make-up & Maintenance

				0040
AURICOR 500RA	stabilizing additive		1 L	OR014201
AURICOR 520RF	iron replenisher	Fe: 20 g/l	1 L	OR015501
AURICOR 540RI	indium replenisher	ln: 40 g/l	1 L	OR027105
AURICOR 535SA	conducting salts A		1kg	OR015801
AURICOR 535SB	conducting salts B		1 kg	OR015901



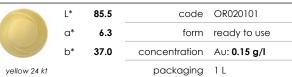
AURICOR® 724

alkaline gold flash solutions for bath plating

AURICOR 724 is a weak-alkaline special gilding with a very low gold concentration (0.12 - 0.18 g/l), which is totally cyanides-free.

A distinguishing characteristic is the surprising uniformity of deposit, which makes AURICOR 724 the ideal choice for large volume tanks (over 250 liters). Applications: household items (lamps, handles, chairs) as well as fashion accessories.

AURICOR 724





code



RODINOR[®] 102 | 104 | 120 Rh





bright white rhodium solutions for bath plating

RODINOR 120 | 102 | 104 is the easiest line to use. This white and shiny rhodium plating is characterised by a high strength against pollution and a wide range of working conditions that guarantee versatility and optimal results in different applications.



Suitable for any use, it is the best choice for a perfect bright white finishing in jewellery.

RODINOR 102

	L*	90.2	code	RH011201
	a*	1.2	form	ready to use
	b*	1.8	concentration	Rh: 2 g/l
white			packaging	1 L

RODINOR 120

	L*	90.2	code	RH011301
	a*	1.2	form	concentrated
	b*	1.8	concentration	Rh: 2 g/100 ml
white			packaging	100 ml

RODINOR 104

KODINOK				
	L*	90.2	code	RH012101
	a*	1.2	form	ready to use
	b*	1.8	concentration	Rh: 4 g/l
white			packaging	1 L

🛠 Make-up & Maintenance

So Make-up & Maintenance		concentration	packaging	code
RODINOR 125R	rhodium replenisher	Rh: 5 g/100 ml	100 ml	RH011401
RODINOR 120RA	brightener additive		1 L	RH011501
RODINOR 120RA-100ML	brightener additive		100 ml	RH012201

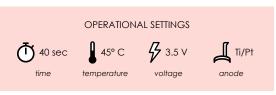
Rh

RODINOR[®]

high performance white rhodium solutions for bath plating

RODINOR 110 is the exclusive formulation of shining white rhodium plating characterised by the use of innovative additives capable of giving a level of whiteness and shine never before achieved by any other rhodium plating on the market.

Combined with the advanced coating power and the excellent throwing power, RODINOR 110 is the perfect choice on jewels with stones.



Cd

Co

RODINOR 110

	L*	90.5	code	RH010601
	a*	1.1	form	concentrated
	b*	1.6	concentration	Rh: 2 g/200 ml
white			packaging	200 ml

Shake-up & Maintenance

So Make-up & Maintenance		concentration	packaging	code
RODINOR 115R	rhodium replenisher	Rh: 5 g/200 ml	200 ml	RH010701
RODINOR 110RA-1L	brightener additive		1 L	RH010801
RODINOR 110RA-100ML	brightener additive		100 ml	RH010901



RODINOR® 140



pure white rhodium solutions for bath plating

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Rh

RODINOR 140 is the white rhodium plating characterised by the distribution of the deposit and its particular dazzling colour.

The special rhodium complex used, combined with new generation additives, makes RODINOR 140 the ideal choice for mass production with consumption under 40% compared to traditional white rhodium plating.

RODINOR 140

	L*	90.2	code	RH010101
10	a*	1.2	form	concentrated
	b*	1.9	concentration	Rh: 2 g/100 ml
white			packaging	100 ml

OPERATIONAL SETTINGS				
4 0 sec	50° C	Ø 4.0 ∨	Ti/Pt	
time	temperature	voltage	anode	

RODINOR 144

concentration

	L*	90.2	code	RH010201
())	a*	1.2	form	concentrated
	b*	1.9	concentration	Rh: 4 g/100 ml
white			packaging	100 ml

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So Make-up & Maintenance

_			1 0 0	
RODINOR 145R	rhodium replenisher	Rh: 5 g/100 ml	100 ml	RH010301
RODINOR 140RA-1L	brightener additive		1 L	RH010401
RODINOR 140RA-100ML	brightener additive		100 ml	RH010501

Rh

RODINOR® 152



brilliant white rhodium solutions for bath plating

RODINOR 152 is a dual-component (with a separate additive) rhodium process extremely white and shiny with incomparable technical and qualitative properties, perfect to exalt diamond brightness, with a high strength against pollution.

Suitable for any use, it is characterized by the high range of working temperatures (from 25° C to 70° C) and by the long lasting performance of the deposit (the solution works until a Rh concentration of 0,6 g/l).

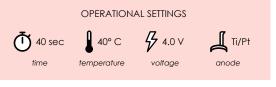
RODINOR 152

	L*	91.2	code	RH012501
1. 10	a*	1.0	form	concentrated
	b*	1.5	concentration	Rh: 2 g/100 ml
white			packaging	200 ml



aada

code



nackaging

So Make-up & Maintenance

- Make op a Maine	Concernitation	packaging	COUE		
RODINOR 155R	rhodium replenisher	Rh: 5 g/100 ml	100 ml	RH012801	
RODINOR 152RB	brightener additive		100 ml	RH012701	

concontration

Rh **RODINOR® 202 | 220**





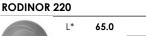
black rhodium solutions for bath plating -

RODINOR 220 and 202 are black rhodium plating processes, easy to use, which provide a brilliant and elegant black uniform deposit. The line consists of both concentrated and ready to use solutions and also, of two different blackening agents to correct the colour.



RODINOR 202

	L*	65.0	code	RH020101
	a*	0.5	form	ready to use
	b*	0.9	concentration	Rh: 2 g/l
black			packaging	1 L



concentration

	L*	65.0	code	RH020201
	a*	0.5	form	concentrated
	b*	0.9	concentration	Rh: 2 g/200 ml
black			packaging	200 ml

packaaina

So Make-up & Maintenance

			1 0 0	
RODINOR 250R	rhodium replenisher	Rh: 5 g/100 ml	100 ml	RH020501
RODINOR 200RA	blackening agent (shade 1)		1 L	RH020301
RODINOR 204RA	blackening agent (shade 3)		1 L	RH020701

Rh RODINOR® 300



code

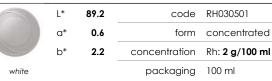
rhodium solutions for pen plating

RODINOR 300 is a line of rhodium pen plating solutions available in white and black colours. The main features are the high deposition speed, the brilliance of the deposit, the limited development of bubbles when applied, and the chemical stability of the solutions.

RODINOR 300 is the right choice for two-tone designs, small details and for textured surfaces.

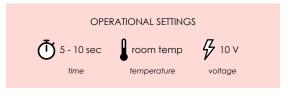
RODINOR 320

 \mathbb{Z}



RODINOR 322

	L*	58.0	code	RH030201
	a*	-0.5	form	concentrated
	b*	2.0	concentration	Rh: 2 g/100 ml
black			packaging	100 ml



RODINOR 321

*	88.6	code	RH030101
*	0.7	form	concentrated
) *	2.3	concentration	Rh: 2 g/100 ml
		packaging	100 ml
	x*	a* 0.7	0.7 form * 2.3 concentration

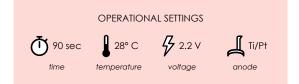
Pd

PALLADOR® 102



white palladium flash solutions for bath plating

PALLADOR 102 is a pure palladium plating solution for white decorative finishings, moreover, when used as a plating pre-layer on silver or further base metals, becomes a barrier to prevent oxidation.



PALLADOR 102

	L*	85.5	code	PD012901
	a*	0.8	form	ready to use
	b*	4.2	concentration	Pd: 2 g/l
white			packaging	1 L

PALLADOR 102C

(T) 240 sec

time

concentration

	L*	85.5	code	PD010101
	a*	0.8	form	concentrated
	b*	4.2	concentration	Pd: 2 g/250 ml
white			packaging	250 ml

packaaina

OPERATIONAL SETTINGS

25° C

temperature

₽ 2.2 V

voltage

· · · · · · · · · · · · · · · · · · ·			1 0 0	
PALLADOR 100RP	palladium replenisher	Pd: 100 g/l	1 L + 1 L	PD013001
PALLADOR 120RP	palladium replenisher	200 ml	PD013101	
PALLADOR 100RA	brightener additive A		1 L	PD013201
PALLADOR 100RB	brightener additive B		1 L	PD013301
PALLADOR 100WA	wetting agent		1 L	PD013401
PALLADOR 100S	conducting salts		1 kg	PD013501

Pd

Π

C

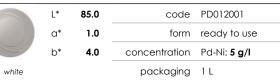
PALLADOR[®] 305

white palladium-nickel alloy solutions for bath plating

PALLADOR 305 is a palladium-nickel plating solution that can be used for white flash or thickness (up to 5 microns) finishings and to guarantee an extremely hard and compact deposit.

PALLADOR 305 is formulated to deposit a Pd-Ni (80% - 20%) alloy which can be modified to prevent the release of nickel in compliance with EC regulation 94/27.

PALLADOR 305



Make-up & Maintenance

🔣 Make-up & Ma	concentration	packaging	code	
PALLADOR 300RP	palladium replenisher	Pd: 100 g/l	1 L + 1 L	PD015101
PALLADOR 300RN	nickel replenisher	Ni: 100 g/l	1 L	PD015505
PALLADOR 300RA	brightener additive A		1 L	PD010901
PALLADOR 300RB	brightener additive B		1 L	PD011001
PALLADOR 300WA	wetting agent		1 L	PD012401
PALLADOR 300S	conducting salts		1 kg	PD016701



Ti/Pt

anode

code

Pd PALLADOR® 405



code

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white palladium-indium alloy solutions for bath plating

PALLADOR 405 is a palladium-indium plating solution that guarantees a deposit extremely compact and resistant to oxidisation and can be used as a white decorative flash or thickness (up to 2 microns) finishing or as an intermediate layer before other plating processes to prevent diffusion. PALLADOR 405 deposits a Pd-In (90 % - 10 %) alloy which is completely anallergic and free from toxic heavy metals.

PALLADOR 405

	L*	85.0	code	PD010201
	a*	1.0	form	ready to use
	b*	4.2	concentration	Pd-In: 5 g/I
white			packaging	1 L



packaaina

concentration

Solution Make-up & Maintenance

		1		
PALLADOR 400RP	palladium replenisher	Pd: 100 g	100 g + 200 ml	PD010301
PALLADOR 400RA	brightener additive A		1 L	PD011901
PALLADOR 400RB	brightener additive B		1 L	PD010801
PALLADOR 400RC	brightener additive C		1 L	PD011401
PALLADOR 400RI	indium replenisher	ln: 10 g/l	1 L	PD010701
PALLADOR 400WA	wetting agent		1 L	PD011201
PALLADOR 400S	conducting salts		1 kg	PD012801



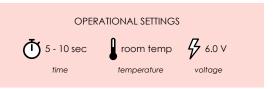
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Pd PALLADOR® 506

palladium-nickel pen plating solutions

PALLADOR 506 is a white palladium-nickel pen plating solution developed for costume jewellery and fashion accessories.

PALLADOR 506 is the right choice for two-tone designs, small details and for textured surfaces.



PALLADOR 506

	L*	85.0	code	PD017401
	a*	1.0	form	ready to use
	b*	4.0	concentration	Pd-Ni: 0.6 g/100 ml
white			packaging	100 ml

PLATINOR® 102 | 104



anode

white platinum solutions for bath plating –

PLATINOR 102 and 104 are pure platinum plating solutions that can be used either as thickness (up to 8 microns) or flash process for white finishes above all on platinum 950 alloy jewels. It is extremely easy to use and to maintain. PLATINOR 102 and 104 are the perfect alternative to palladium plating solutions as intermediate layer in plating process.

PLATINOR 102

P†

Б

	L*	87.5	code	PT010201
	a*	0.6	form	ready to use
	b*	3.5	concentration	Pt: 2 g/l
white			packaging	1 L

PLATINOR 104

	L*	87.5	code	PT010301
	a*	0.6	form	ready to use
	b*	3.5	concentration	Pt: 4 g/l
white			packaging	1 L

time temperature voltage

PLA	TINOR	102C	

60 - 300 sec

	L*	87.5	code	PT010201
	a*	0.6	form	concentrated
	b*	3.5	concentration	Pt: 2 g/100 ml
white			packaging	100 ml

OPERATIONAL SETTINGS

PLATINOR 104C

concentration

	L*	87.5	code	PT010101
	a*	0.6	form	concentrated
	b*	3.5	concentration	Pt: 4 g/250 ml
white			packaging	250 ml

packaaina

platinum replenisher	Pt: 25 g/l	1 L	PT010401
platinum replenisher	Pt: 5 g/200 ml	200 ml	PT011001
brightener additive		1 L	PT011301
brightener additive		100 ml	PT011302
	platinum replenisher brightener additive	platinum replenisher Pt: 5 g/200 ml brightener additive	platinum replenisher Pt: 5 g/200 ml 200 ml brightener additive 1 L

P†

PLATINOR[®] 202

white platinum flash solutions for bath plating

PLATINOR 202 is a pure platinum flash plating solution suitable for superior results as pre-layer before rhodium. PLATINOR 202 works at room temperature ensuring faster process timing and it is characterized by an excellent throwing power.



code



PLATINOR 202

	L*	87.0	code	PT012301
	a*	0.7	form	ready to use
	b*	4.2	concentration	Pt: 2 g/l
white			packaging	1 L

😚 Make-up & Maint	concentration	packaging	code	
PLATINOR 250RPL	platinum replenisher	Pt: 50 g/l	1 L	PT012401
PLATINOR 250RPL-100ML	platinum replenisher	Pt: 5 g/100 ml	100 ml	PT012402

WHITENOR® 102



alternative white platinum-ruthenium solutions for bath plating _

WHITENOR 102 is the surprising Berkem's process for platinum-ruthenium-based decorative and thickness (up to 3 microns) bath plating that guarantees extremely white and shiny deposits free from any yellowish reflections. WHITENOR 102 deposits directly on any precious metal surface including silver and it has excellent performances as intermediate layer before final colour finishing.

WHITENOR 102 is the perfect alternative to traditional rhodium, pure platinum and palladium solutions.

WHITENOR 102

P† Ru

	L*	88.0	code	PT011601
	a*	0.55	form	ready to use
	b*	2.8	concentration	Pt-Ru: 2 g/l
white			packaging	1 L



packaaina

code

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concentration

Make-up & Maintenance Make-up & Maintenance A

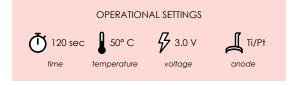
			1 0 0	
WHITENOR 100RRU	ruthenium replenisher	Ru: 6 g/100 ml	100 ml	PT011701
WHITENOR 100RPT	platinum replenisher	Pt: 20 g/I	1 L	PT011801



RU RUTENOR® 105

grey ruthenium flash solutions for bath plating

RUTENOR 105 is a ruthenium plating process with a light greytitanium colour, very easy to use and with an extremely hard compact deposit of pure ruthenium, it is considered to be the perfect decorative choice.



RUTENOR 105

	L*	72.5	code	RU010701
	a*	0.6	form	ready to use
	b*	3.0	concentration	Ru: 5 g/l
grey			packaging	1 L

Rυ

RUTENOR® 205C



code

extra-black ruthenium flash solutions for bath plating

RUTENOR 205C is an extremely black (extra-black) ruthenium plating process with a compact uniform deposit of pure ruthenium. The deposit is stable over time due to the special liquid blackening additive, which distinguishes it from other processes on the market.

RUTENOR 205C can be deposited directly on palladium, platinum and gold surfaces.

RUTENOR 205C

code RU	35.0	L*	
form co	0.2	a*	
concentration Au	0.8	b*	
packaging 600			extra-black
	0.8	D.	extra-black

OPERATIONAL SETTINGS Ŏ 300 sec ↓ 65° C ♀ 2.5 V time temperature voltage

packaaina

concentration

Ti/Pt anode

RUTENOR 250R	ruthenium replenisher	Ru: 50 g/l	1 L	RU011101
RUTENOR 250R-100ML	ruthenium replenisher	Ru: 5 g/100 ml	100 ml	RU011102
RUTENOR 200RA	blackening additive (liquid)		100 ml / 1 L	RU011301
RUTENOR 200RAS	blackening additive (powder)		100 g	RU012401
RUTENOR 200S	conducting salts		1 kg	RU011201



RUTENOR® 305

gunmetal ruthenium flash solutions for bath plating

RUTENOR 305 is a black / anthracite / gunmetal / dark grey ruthenium plating process with a compact uniform deposit of pure ruthenium.

RUTENOR 305 is generally used as an alternative of black rhodium due to its very similar colour.



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code

Ni



RUTENOR 305

L* a* b*

6			
	Y		
d	ark-	gre	у

60.0	code	RU010301
0.4	form	ready to use
0.8	concentration	Ru: 5 g/l
	packaging	1 L

RUTENOR 305C

concentration

	L*	60.0	code	RU011701	
	a*	0.4	form	concentrated	
	b*	0.8	concentration	Ru: 5 g/200 ml	
dark-grey			packaging	200 ml	

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Adke-up & Maintenance

	concontration	packaging	6646	
RUTENOR 300RA	blackening additive		1 L	RU012201
RUTENOR 300S	conducting salts		1 kg	RU012301

RUTENOR® HD | HDX Rυ

hardeners for ruthenium solutions for bath plating

RUTENOR HD and HDX are innovative chemical additives capable of hardening, compacting and darkening deposits of ruthenium.

RUTENOR HD and HDX are easy to use and do not require any rectifiers since they are simply used by immersion.



product		form	packaging	code
RUTENOR HD	hardening additive	ready to use	1 - 25 L	RU012701
RUTENOR HDX	hardening additive	concentrated	100 ml - 1 L	RU010201

Ag

SILCOR[®] 501

cyanide free silver solutions for bath plating

SILCOR 501 is a cyanide-free silver flash and thickness (up to 10 microns) plating process that allows the deposition of an extremely white layer of silver. The special features of this process are the electrolytic stability and the high quality of the deposit in total absence of cyanides in solution.

SILCOR 501 can be applied directly on silver and gold, or, after a special pre-treatment, even on nickel and copper alloys.





SILCOR 501

	L*	98.6	code	AG050101
	a*	0.0	form	ready to use
	b*	2.5	concentration	Ag: 25 g/l
white silver			packaging	1 L

Adve-up & Maintenance

So Make-up & Maintenance		concentration	packaging	code
SILCOR 501P	cyanide free strike-silver solution for bath plating (ready to use)	Ag: 2.5 g/l	1 - 25 L	AG050301
SILCOR 501D	fixing treatment (ready to use)		1 L	AG050201
SILCOR 501RAG	silver replenisher	Ag: 60 g/l	1 L	AG051001

SILCOR[®] 100

silver flash solutions for bath plating

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SILCOR 100 is an extremely white decorative silver plating process which is easy to use due to the presence of organic brighteners.

SILCOR 100 is generally used as a bright white finish in pure silver surfaces.

SILCOR 100



L*	99.1	form	make up solution
a*	0.7	packaging	1 - 25 L
b*	1.4		

white silver

	99.1	form	make up solution
¢	0.7	packaging	1 - 25 L
•	1.4		

0.7 packaging 1 - 25 L	
1.4	

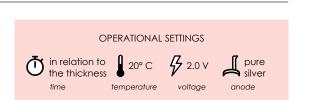
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SILCOR 101	brightener additive	1 - 5 L	AG011001
SILCOR 101C	brightener additive (powder)	1 kg	AG010801
SILCOR 102	wetting agent	1 - 5 L	AG011101
SILCOR 102C	wetting agent (concentrated)	1 L	AG010301
SILCOR 100S	conducting salts	1 kg	AG011201



SILCOR[®] 200

silver thickness and electroforming solutions for bath plating

SILCOR 200 is a thickness (up to 300 microns) silver plating solution which is used both for intermediate deposition and for electroforming process thanks to the particular hardness of the deposit provided by inorganic additives contained in the brightener agent.



packaging

Ni

Cd

code

Co

SILCOR 100

white silver



℅ Make-up & Maintenance

SILCOR 201	wetting agent	1 L	AG020401
SILCOR 202	brightener additive	1 L	AG020501
SILCOR 200RS	hardening additive	1 L	AG020301
SILCOR 204SP	stabilizing additive	1 L	AG020105



packaaina

Ni

20° C ♀ 2.0 V in relation to the thickness time temperature voltage

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pure silver anode

code

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NICKELOR 100





Ni

polish nickel solutions for bath plating —

NICKELOR 100 is a bright white nickel plating process that can be used for depositions of pure nickel to increase the brightness of the treated objects.

NICKELOR 100 is characterised by a high levelling power able to cover porosity and polishing score marks.

NICKELOR 100 offers a high corrosion protection and wear resistance

NICKELOR 101

	*	83.6	codo	NI013601
	L	03.0	COUE	11013001
	a*	0.7	form	ready to use
	b*	6.2	packaging	1 - 25 L
grey				



CU CUPRALOR 100

acid polish copper solutions for bath plating

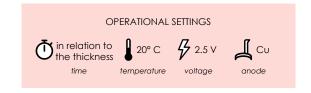
CUPRALOR 100 is a bright copper plating process that can be used for pure copper depositions, considerably increasing the brightness of the objects to be treated.

CUPRALOR 100 is characterised by a high levelling power able to cover porosity and polishing score marks.

CUPRALOR 100 is a perfect intermediate layer before finishing with nickel, bronze and other metals.

CUPRALOR 101

	L*	88.3	code	RA020801
	a*	13.4	form	ready to use
	b*	14.0	packaging	1 - 25 L
pink				





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Sn I-WHITE

acid white tin solutions for bath plating -

I-WHITE is a white tin ready to use plating solution that permits extremely bright and levelled tin deposits. I-WHITE is totally cyanide free and thanks to its high

performances, efficiency and extraordinary white colour, it is a valid alternative to precious metals finishings for costume jewellery and fashion accessories.

I-WHITE

	L*	94.0	code	SN010101	
	a*	0.6	form	ready to use	
	b*	3.5	packaging	1 L	
white					





CLEANOR 100

electrolytic degreasing solution –

CLEANOR 100 is a line of electrolytic degreasings with high performances used to prepare and activate the surface of metallic substrates prior to electroplating.

OPERATIONAL SETTINGS				
(120 sec	room temp	₽ 6.5 ∨	stainless steel	
time	temperature	voltage	anode	

product		form	packaging	code
CLEANOR 101	electrolytic degreaser for precious metals	ready to use	1 - 5 L	SG011901
CLEANOR 101P	electrolytic degreaser for precious metals	powder	1 kg	SG012001
CLEANOR 138L	electrolytic degreaser for industrial uses	concentrated	25 L	SG010530
CLEANOR 181P	electrolytic degreaser for industrial uses	powder	25 kg	SG011725



AT010305

CLEANOR 200

ultrasonic degreasings

CLEANOR 200 is a line of degreasings for ultrasonic washing machines used to remove pastes and oils in an easy way.

The line consists of both alkaline and neutral soaps that can be used with particularly delicate finishes too.

OPERATIONAL SETTINGS				
05 - 70° C 🔓 65 - 70° C				
time	temperature			

product		form	packaging	code
CLEANOR 201P	ultrasonic degreaser suitable for precious metals	powder	1 kg	SG021401
CLEANOR 293TN	ultrasonic degreaser suitable for sensitive metals	concentrated	25 L	SG020325
CLEANOR 203	ultrasonic degreaser for industrial uses	concentrated	1 L	SG021601
CLEANOR 222P	ultrasonic degreaser for industrial uses	powder	25 kg	SG020425
CLEANOR 204	soap for vibrators and tumbler machines	concentrated	1 L	SG021701

CLEANOR 300

neutralizing and activator solutions

CLEANOR 300 is a line of neutralizing and activators solutions to remove contaminating agents prior the final plating bath step, for example degreasing or cyanide residues.

product		form	packaging	code
CLEANOR 301	neutralizing for plating processes	ready to use	1 - 10 L	AT010301
CLEANOR 302P	neutralizing for plating processes	powder	1 kg	AT010401
CLEANOR 303	neutralizing for cyanides	concentrated	25 kg	NT010125
CLEANOR 303P	neutralizing for cyanides	powder	1 kg	NT010401
CLEANOR 305P	chemical deoxidizing	powder	25 kg	AT010125
CLEANOR 306P	acitvator for zamak	powder	25 kg	AT010525
CLEANOR 304	electropolishing solution for gold	ready to use	25 L	EB010201
CLEANOR 304P	electropolishing solution for gold	powder	1 kg	EB010101



anti-tarnish chemical passivation

PROTECOR 201 is an innovative nano-composite non-toxic chemical passivation, for silver and copper based alloys as pink gold, brass and bronze, used as the perfect protection against corrosion and oxidation without altering the original appearance of the surface. PROTECOR 201 protects jewellery from fingerprints, artificial light of showcases and it is biologically safe and skin-neutral.

OPERATIONAL SETTINGS **₽** 5 V Ti/lr 55° C (T) 300 sec time voltage temperature anode

PROTECOR 201 can be used for immersion and for electrolysis, by adding conductive salts and using special Ti/Ir electrodes. Electrolytic application of PROTECOR 201 exponentially increases the level of protection and resistance.



product		form	packaging	code
PROTECOR 201-1L	nanocomposite antitarnish solution	concentrated	1 L	PS010101
PROTECOR 201-100ML	nanocomposite antitarnish solution	concentrated	100 ml	PS010105
PROTECOR 200BS	nanocomposite antitarnish solution	ready to use	1 L	PS010201
PROTECOR 200S	conducting salts		100 g	PS010110



STRIPPERS

strippers for metals and lacquers

A complete line of chemicals for selective dissolution of metals and paints without attacking surfaces. Strippers solutions are generally used to remove and recover precious metal residues from the racks.

product		packaging	code
STR-200CU	stripper for copper	25 L	ST010125
STR-221CUP	stripper powder for copper	5 kg	ST011105
STR-300AU	stripper for gold	5 L	ST010705
STR-400PD	stripper for palladium	1 - 25 L	ST011801
STR-T27SP	stripper for lacquers	1 L	ST010625



BURNISHES

chemical burnishing solutions

A complete line of chemical solutions used to obtain antique two-colour effects on silver and brass surfaces through accelerated oxidation.



product		packaging	code
SILVERBLACK 100A	grey-black burnishing for silver 'part A'	25 L	BR010325
SILVERBLACK 100B	grey-black burnishing for silver 'part B'	25 L	BR010425
SILVERBLACK 200	blue-black burnishing for silver	1 L	BR010125
BRUNIT 300	burnishing for brass and copper alloys	1 L	BR010225

M-REDUCER

chemical reducing agent for metals

M-REDUCER is the perfect product to easily precipitate precious and non-precious metals from plating exhausted solutions or washing waters. The addition of M-REDUCER generates in the treated solution the metal reduction which, by precipitation, can be separated for filtration and recovery rather than internally refined. M-REDUCER guarantees the precipitation of metal compounds only and not of other substances present in the treated solutions.

OPERATIONAL SETTINGS

0.5-24 h time

10-60° C

temperature

product		packaging	code
M-REDUCER	chemical reducing agent for metals	5 L	SO010205



0010205

CYANIDES

The line of Berkem high purity cyanides for galvanic use, it is available in 25 - 50 kg packs and in a comfortable homologated 1 kg pack to facilitate the handling process and to avoid the surplus storage.

Please note that cyanides are subjected to strict international standards

product	CAS	purity	formula	title	packaging	code
POTASSIUM CYANIDE	151-50-8	min 98%	KCN	(K) 60,0 %	1-25-50 kg	SA010201
SODIUM CYANIDE	143-33-9	min 97%	NaCN	(Na) 46,9 %	1-5-25 kg	SA010301
COPPER CYANIDE	544-92-3	min 98%	CuCN	(Cu) 70,8 %	1-25 kg	SA010401
ZINC CYANIDE	557-21-1	min 98%	Zn(CN) ₂	(Zn) 55,7 %	1-25 kg	SA010501
SILVER CYANIDE	506-64-9	min 99%	AgCN	(Ag) 80,3-80,7 %	1 kg	SA010701

DS-1000

dosing machine for enamels

DS-1000 is the practical electro-pneumatic jewellery glaze doser for accurate and fast applications without waste or contamination. The pneumatic glaze doser makes the work easier for operators and guarantees better results in terms of quality and time, reducing the risk of defects and thus significantly increasing process margins at larger scales thanks to the elimination of waste.

DS-1000 is equipped with:

- anti-drip system for the management of low viscosity glazes;
- digital timer adjustable from 0.01 to 30 seconds, for programmed precision glaze dosages;

code

- pedal for manual dosing;
- 10 ml syringe connector;
- 1 x 10 ml syringe;
- 3 different size needles.

DS1000-ENALOR

dosing machine for enamels



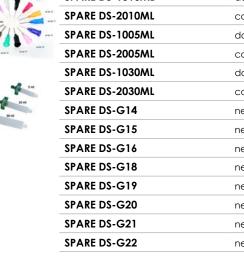
code MG010801 size 23.5 x 22.5 x 6.3 cm weight 2.2 kg

Accessories

Ì	ENALOR VACUUM KIT 420	vacuum kit for enamels pumps 4 cu.m./h - chamber 20 cm	MG014901
F	VACUUM PUMP 467	vacuum pump 4 cu.m./h	MG015201
	VACUUM CHAMBER 200	vacuum chamber size 20 cm	MG015301



G01490



Spare parts

Spare parts		code
SPARE DS-1010ML	dosing syringe for enamels 10 ml (20 pcs)	VA016001
SPARE DS-2010ML	connector for dosing syringe 10 ml	VA016101
SPARE DS-1005ML	dosing syringe for enamels 5 ml (20 pcs)	VA016201
SPARE DS-2005ML	connector for dosing syringe 5 ml	VA016301
SPARE DS-1030ML	dosing syringe for enamels 30 ml (20 pcs)	VA016501
SPARE DS-2030ML	connector for dosing syringe 30 ml	VA016401
SPARE DS-G14	needles for enamels Gauge 14 (100 pcs)	VA016801
SPARE DS-G15	needles for enamels Gauge 15 (100 pcs)	VA016901
SPARE DS-G16	needles for enamels Gauge 16 (100 pcs)	VA017901
SPARE DS-G18	needles for enamels Gauge 18 (100 pcs)	VA017001
SPARE DS-G19	needles for enamels Gauge 19 (100 pcs)	VA017101
SPARE DS-G20	needles for enamels Gauge 20 (100 pcs)	VA017201
SPARE DS-G21	needles for enamels Gauge 21 (100 pcs)	VA017301
SPARE DS-G22	needles for enamels Gauge 22 (100 pcs)	VA017401
SPARE DS-G23	needles for enamels Gauge 23 (100 pcs)	VA017501
SPARE DS-G25	needles for enamels Gauge 25 (100 pcs)	VA017601
SPARE DS-G26	needles for enamels Gauge 26 (100 pcs)	VA017701
SPARE DS-G27	needles for enamels Gauge 27 (100 pcs)	VA017801
SPARE DS-G30	needles for enamels Gauge 30 (100 pcs)	VA018001
SPARE DS-G32	needles for enamels Gauge 32 (100 pcs)	VA018101

STILOR

AG01640

VA013001

VA012501

VA012401

pen plating machine & accessories –

STILOR 100 is the exclusive and compact pen plating machine used for precise depositions, 100% Made in Italy, perfect to carry out repairs, able to perform the degreasing of the pieces thanks to its special high power and designed to decorate the surrounding zones and details. STILOR 100 is the ideal choice for pen plating treatments. Moreover, this pen plating machine is an excellent alternative to pilot systems for plating baths of small objects: the exclusive satellite STILOR 100S, which can be connected to the STILOR 100 unit, converts the unit into a small bath plating system complete with 150 ml beakers and Ti/Pt small anodes (4 units).

STILOR 103 Evo, with its easy grip and very light weight, is totally made of titanium with a special treatment based on pure platinum. STILOR 103 Evo, guarantees a simple and perfect deposition without bubbles in large surfaces and on complicated details.

STILOR 100 is equipped with:

- 1 easy to handle titanium pen (STILOR 103 Evo) with tips;
- 2 cables for connesions (black and red) and crocodile plug;
- 2 pyrex beakers of 25 ml for plating solutions;
- 2 PET glasses of 25 ml;
- 1 pyrex beaker of 100 ml with Ti | Pt anode for the degreasing process.

STILOR 100	pen plating machine	
	code	MG010501
2 2	size	18 x 16 x 13 h cm
- A CONTRACT	weight	1.5 kg

STILOR 100S	satellite	unit for Stilor 100
	code	MG012201
	size	18 x 16 x 6 h cm
	weight	1 kg

Spare parts		code
STILOR 103 EVO	Ti pen for pen plating (22 - Ø 3,5 cm)	MG016401
SPARE 101-REDCAB-PEN	cable for pen plating (90 cm)	VA012601
SPARE 101-REDCAB-AN	red cable for STILOR100 (90 cm)	VA010800
SPARE 102-BT10	double brown tips for pen plating (10 pcs)	VA012501
SPARE 102-BT100	double brown tips for pen plating (100 pcs)	VA012510
SPARE 103-WT10	double white tips for pen plating (10 pcs)	VA012401
SPARE 103-WT100	double white tips for pen plating (100 pcs)	VA012410
SPARE 104-GRT5	felt tips for pen plating (5 pcs)	VA012901
SPARE 105-PYREX25	pyrex beaker 25 ml for STILOR 100	VA013001
SPARE 106-PYREX100	pyrex beaker 100 ml for STILOR 100	VA013101
SPARE 107-PET25	PET beaker 25 ml for STILOR100	VA013201
SPARE 108-ANTIPT5X1.5	degreaser anode for STILOR 100	VA013301
SPARE 109-BLKCAB	black cable for STILOR connections	VA013401
SPARE 110-ANTIPT5X1.5	Ti/Pt anode 5 x 1.5 cm for Stilor 100S	VA014401
	STILOR 103 EVO SPARE 101-REDCAB-PEN SPARE 101-REDCAB-AN SPARE 102-BT10 SPARE 102-BT100 SPARE 103-WT100 SPARE 103-WT100 SPARE 104-GRT5 SPARE 104-GRT5 SPARE 105-PYREX25 SPARE 106-PYREX100 SPARE 107-PET25 SPARE 107-PET25 SPARE 109-BLKCAB	STILOR 103 EVOTi pen for pen plating (22 - Ø 3,5 cm)SPARE 101-REDCAB-PENcable for pen plating (90 cm)SPARE 101-REDCAB-ANred cable for STILOR100 (90 cm)SPARE 102-BT10double brown tips for pen plating (10 pcs)SPARE 102-BT10double brown tips for pen plating (100 pcs)SPARE 103-WT10double white tips for pen plating (100 pcs)SPARE 103-WT100double white tips for pen plating (100 pcs)SPARE 103-WT100double white tips for pen plating (100 pcs)SPARE 103-WT100double white tips for pen plating (100 pcs)SPARE 104-GRT5felt tips for pen plating (5 pcs)SPARE 105-PYREX25pyrex beaker 25 ml for STILOR 100SPARE 106-PYREX100pyrex beaker 25 ml for STILOR 100SPARE 107-PET25PET beaker 25 ml for STILOR 100SPARE 108-ANTIPTSX1.5degreaser anode for STILOR 100SPARE 109-BLKCABblack cable for STILOR connections

GALVALINK®

benchtop plating plants

GALVALINK is the line of 1-, 2- and 5-litre modular pilot galvanic systems characterized by maximum practicality, versatility of use and advanced engineering. GALVALINK makes possible to carry out any galvanic bath process in accordance with best practice, controlling its actual consumption. GALVALINK ensures the whole plating process, stores working data and menages 5 independent work programs. GALVALINK is modular: it fits to all different platings needs with an optimized investment.

- Easy-to-use digital interface Multi-parameter working (voltage, current, time, amps | minutes)
- 5 independent work programs each with their own ampereminutametre for calculating consumption Powerful variable speed magnetic stirrer
- Thermal safety probe
- Stainless steel assembly components

	GALVALINK 302B	GALVALINK 302S	GALVALINK 305S
model	2 L base unit	2 L satellite unit	5 L satellite unit
code	MG014101	MG014001	MG012101
			A REPORT
rectifier	included (max 12 V - 10 A)	not included *	not included **
tanks	2 L x 2 pyrex glasses	2 L x 2 pyrex glasses	5 L x 2 pyrex glasses
plate function	1 room temp. + 1 heater/stirrer	2 heater/stirrer	2 heater/stirrer
anodes	1 stainless steel + 1 Ti/Pt	2 Ti/Pt	2 Ti/Pt
power consumption	350 W	700 W	700 W
size	30 x 30 x 34 h cm 12.5 kg	30 x 30 x 34 h cm 12.5 kg	44 x 40 x 43 h cm 19 kg





1 L buff reduction kit for GALVALINK 302B - 302S

1 L tank - Ti/Pt anode adapter - magnetic anchor



code

VA018501

VA010702

VA010710

VA010700

* GALVALINK 302S has to be connected to the base unit GALVALINK 302B or to a dedicated power rectifier (POWER line) ** GALVALINK 305S has to be connected to a dedicated power rectifier (POWER line)



Accesso	ries

SPARE 312-KIT-1L

IIGLINK-KIT	
IIGLINK-TOP	
IIGLINK-EXTENSION	

modular universal rack: top + extension
top for rack

extension for rack



Crocodiles and cables

015101	Crocodiles and co	ables	code
VAOLE	SPARE 301-CRPLUG10	crocodile plug for plating connections (max. 10A)	VA012101
	SPARE 318-CRPLUG30	crocodile plugs for plating connections (couple Red/Black max. 30A)	VA019501
01 2201	SPARE 302-REDCAB10	red cable for plating connections (max. 10A - 90 cm)	VA012201
VA01	SPARE 303-BLKCAB10	black cable for plating connections (max. 10A - 90 cm)	VA012301
	SPARE 316-REDCAB30	red cable for plating connections (max. 30A - 100 cm)	VA019301
-	SPARE 317-BLKCAB30	black cable for plating connections (max. 30A - 100 cm)	VA019401
	SPARE 321-REDCAB-AN305S	red cable for GALVALINK 305S secondary anode (max. 30A - 35 cm)	VA019902
	SPARE 320-BLKCAB-SPINOX-2	black cable for hook support (2 L)	VA019801
	SPARE 320-BLKCAB-SPINOX-5	black cable for hook support (5 L)	VA019901



Anodes		code
SPARE 304-ANTIPT10X5	Ti/Pt anode for GALVALINK(10 x 5 h cm)	VA012701
SPARE 304-ANTIPT20X5	Ti/Pt anode for GALVALINK (20 x 5 h cm)	VA015101
SPARE 304/2-ANTIPT20X5	secondary Ti/Pt anode for GALVALINK (20 x 5 h cm)	VA015102
SPARE 305-ANST302BS	stainless steel anode for GALVALINK (16 x 5 h cm)	VA013501
SPARE 305-ANST305S	stainless steel anode for GALVALINK (25 x 5 h cm)	VA014501
SPARE 307-ANIR10X5	Ti/Ir anode for GALVALINK (10 x 5 h cm)	VA016601
SPARE 307-ANIR20X5	Ti/Ir anode for GALVALINK (20 x 5 h cm)	VA016701
SPARE 307-ANIR10X10	Ti/Ir anode for GALVALINK (10 x 10 h cm)	VA015201
SPARE 311-ANNI10X5X1	nickel anode complete with hook and filter bag (10 x 5 x 1 cm)	VA018401
SPARE 314-ANCU15X6,5X0,5	copper - phosphorus anode for GALVALINK (15 x 6.5 x 0.5 cm)	VA018701
SPARE 315-ANAG5X10	silver anode for GALVALINK (10 x 5 h cm)	VA018801
SPARE 313-MERAK-7X15X3	meraklon bag for Cu and Ni anodes (15 x 6.5 x 0.5 cm)	VA018601



VA018201 6

Glasses		code
SPARE 308-PYREX1L	1 L pyrex glass for GALVALINK 302B - 302S	VA019201
SPARE 308-PYREX2L	2 L pyrex glass for GALVALINK 302B - 302S	VA014101
SPARE 308-PYREX5L	5 L pyrex glass for GALVALINK 305S	VA014601

Other spare pa	rts	code
SPARE 309-AM6X35	medium magnetic anchor (0.6 x 3.5 cm)	VA018201
SPARE 310-SPINOX-2	stainless steel hook support 2 L	VA018301
SPARE 310-SPINOX-5	stainless steel hook support 5 L	VA011401

MACHINERY & ACCESSORIES

POWER

rectifiers for plating

POWER is the line of high-tech digital current rectifiers for use in galvanic systems of any size dedicated to different surface treatments (electrodeposition, cataphoresis, etc.). The innovation lies in the built-in proprietary software that allows different programs (from 5 to 9 depending on the model) to be set simply and intuitively, including the automatic management of work in ramps and the precise calculation of actual consumption for each work cycle. This calculation is essential for the addition of the different replenishers to the solution (especially in the presence of automatic dosing pumps) and to assess production costs. The combination of these features ensures that the colour and quality of the deposit will be maintained over time.

- High-sensitivity switching electronic power supplies
- Multiple and programmable work cycles
- Calculation of consumption for each individual program
- Easy-to-use digital interface



POWER 202RPdigital programmable rectifier optimized for cataphoresis40 V - 2 A15 x 21 x 9 h cm2 kgMG010701POWER 210RPdigital programmable rectifier12 V - 10 A15 x 21 x 9 h cm2 kgMG011601POWER 330RPdigital programmable rectifier12 V - 30 A28 x 19 x 13 h cm4 kgMG011901POWER 350RPdigital programmable rectifier12 V - 50 A28 x 19 x 13 h cm5 kgMG014701POWER 45012RPdigital programmable rectifier12 V - 50 A40 x 35 x 25 h cm18 kgMG015501POWER 410012RPdigital programmable rectifier12 V - 100 A40 x 35 x 25 h cm18 kgMG015401POWER 43048RPdigital programmable rectifier optimized for cataphoresis48 V - 30 A40 x 35 x 25 h cm18 kgMG015601				•		
POWER 210RPdigital programmable rectifier12 V - 10 A15 x 21 x 9 h cm2 kgMG011601POWER 330RPdigital programmable rectifier12 V - 30 A28 x 19 x 13 h cm4 kgMG011901POWER 350RPdigital programmable rectifier12 V - 50 A28 x 19 x 13 h cm5 kgMG014701POWER 45012RPdigital programmable rectifier12 V - 50 A40 x 35 x 25 h cm18 kgMG015501POWER 410012RPdigital programmable rectifier12 V - 100 A40 x 35 x 25 h cm18 kgMG015401POWER 43048RPdigital programmable rectifier optimized for cataphoresis48 V - 30 A40 x 35 x 25 h cm18 kgMG015601	products		volt	size	weight	code
POWER 330RP digital programmable rectifier 12 V - 30 A 28 x 19 x 13 h cm 4 kg MG011901 POWER 350RP digital programmable rectifier 12 V - 50 A 28 x 19 x 13 h cm 5 kg MG014701 POWER 45012RP digital programmable rectifier 12 V - 50 A 40 x 35 x 25 h cm 18 kg MG015501 POWER 410012RP digital programmable rectifier 12 V - 100 A 40 x 35 x 25 h cm 18 kg MG015401 POWER 43048RP digital programmable rectifier optimized for cataphoresis 48 V - 30 A 40 x 35 x 25 h cm 18 kg MG015601	POWER 202RP	digital programmable rectifier optimized for cataphoresis	40 V - 2 A	15 x 21 x 9 h cm	2 kg	MG010701
POWER 350RPdigital programmable rectifier12 V - 50 A28 x 19 x 13 h cm5 kgMG014701POWER 45012RPdigital programmable rectifier12 V - 50 A40 x 35 x 25 h cm18 kgMG015501POWER 410012RPdigital programmable rectifier12 V - 100 A40 x 35 x 25 h cm18 kgMG015401POWER 43048RPdigital programmable rectifier optimized for cataphoresis48 V - 30 A40 x 35 x 25 h cm18 kgMG015601	POWER 210RP	digital programmable rectifier	12 V - 10 A	15 x 21 x 9 h cm	2 kg	MG011601
POWER 45012RP digital programmable rectifier 12 V - 50 A 40 x 35 x 25 h cm 18 kg MG015501 POWER 410012RP digital programmable rectifier 12 V - 100 A 40 x 35 x 25 h cm 18 kg MG015401 POWER 43048RP digital programmable rectifier optimized for cataphoresis 48 V - 30 A 40 x 35 x 25 h cm 18 kg MG015601	POWER 330RP	digital programmable rectifier	12 V - 30 A	28 x 19 x 13 h cm	4 kg	MG011901
POWER 410012RPdigital programmable rectifier12 V - 100 A40 x 35 x 25 h cm18 kgMG015401POWER 43048RPdigital programmable rectifier optimized for cataphoresis48 V - 30 A40 x 35 x 25 h cm18 kgMG015601	POWER 350RP	digital programmable rectifier	12 V - 50 A	28 x 19 x 13 h cm	5 kg	MG014701
POWER 43048RP digital programmable rectifier optimized for cataphoresis 48 V - 30 A 40 x 35 x 25 h cm 18 kg MG015601	POWER 45012RP	digital programmable rectifier	12 V - 50 A	40 x 35 x 25 h cm	18 kg	MG015501
	POWER 410012RP	digital programmable rectifier	12 V - 100 A	40 x 35 x 25 h cm	18 kg	MG015401
POWER 430100RP digital programmable rectifier optimized for cataphoresis 100 V - 30 A 40 x 35 x 25 h cm 18 kg MG013701	POWER 43048RP	digital programmable rectifier optimized for cataphoresis	48 V - 30 A	40 x 35 x 25 h cm	18 kg	MG015601
	POWER 430100RP	digital programmable rectifier optimized for cataphoresis	100 V - 30 A	40 x 35 x 25 h cm	18 kg	MG013701

DOSINGPOWER

dispenser for additives -

DOSINGPOWER is the innovative automatic dispenser to restore plating baths based on their real consumption reducing manual intervention, waste and dosing errors. DOSINGPOWER works solely connected to POWER rectifiers series 300 or 400 which, thanks to the built-in computer, calculates the ampere minutes necessary to activate the dispenser. Therefore on reaching a set number of ampere minutes, the rectifier automatically activates the DOSINGPOWER that adds the quantity of replenisher necessary to perfectly restore the bath.

• Automatic bath restore

- Automatic dosage based on the ampere minutes detected
- Connection necessary to POWER rectifiers
- 2 dosing pumps for different mixes of replenisher or different dosage for baths with different consumptions

DOSINGPOWER

automatic dosing machine for plating additives



 code
 MG015701

 dosing flow
 0.1 - 20.0 L/h

 size
 35 x 27,5 x 52 h cm

 weight
 12 kg



designed for cataphoresis

A range of fan ovens for general drying use and for baking cataphoretic paints or enamels. The line comprises both small bench ovens and large professional ovens.



		product	temperature	absorption	capacity	size	code
10	1 242	HEATER 303	50 / 300 °C	2600 W	25 L	44 x 54 x 49 h cm	MG015801
301580	and the second	HEATER 304	50 / 300 °C	2800 W	45 L	59 x 70 x 59 h cm	MG015901
MC	0 0 ···	HEATER 306	100 / 275 °C	16 kW	90 L	94 x 93 x 115 h cm	MG016101

INDUSTRIAL GALVANIC PLANTS

from need to production line -

Berkem designs and manufactures industrial galvanic plants based on the specifications provided by the customer and the related needs in terms of process, space, product and investment. Thanks to the technical expertise in the galvanic process, Berkem guarantees optimized and complete processing cycle projects, assessing any integrated automation systems where required or recommended.

The main feature of Berkem galvanic systems is the modularity that allows the process to be adapted over time to the production capacity of the customer or to the different market requirements.

- Easy-to-use digital interface
- Durable and quality materials and components
- Antacid coatings
- 100% Made in Italy



PLATIFUSION®

insoluble anodes

PLATIFUSION is the advanced fusion/diffusion treatment based on pure platinum for treating titanium mesh insoluble anodes for electrochemical and industrial applications.

PLATIFUSION is a technology by Berkem Srl covered by trade secret and registered trademark. Insoluble anodes require inert material on their surface and pure platinum is the best choice: it is resistant to corrosion and 100% recyclable and recoverable.

Platinized titanium mesh anodes with PLATIFUSION technology have a slightly higher initial purchase cost than RuMMO mixed oxide anodes, but if we consider the entire life cycle of the anode, the convenience moves decidedly towards PLATIFUSION anodes. Moreover, their duration over time is superior thanks to the typical features of the PLATIFUSION process.

- LONG LIFE: THICKNESS UNIFORMITY (up to 5 microns) which increases the lifetime
- EFFICIENCY: COMPACTNESS AND PERFECT ADHERENCE which improve the quality of the depositions of metal
- VERSATILITY: LOWER POROSITY of the mesh which makes it possible to use the same anode in different solutions without causing pollution
- EASY MAINTENANCE: LESS ROUGHNESS which facilitates washing after use
- QUALITY: LOWER ROUGHNESS of the platinum deposit underlines the quality of the production process

lenght 10 mm vidth 5 mm thickness ± 1 mm width 1 mm Infinitely Circular Anodes is the regeneration service for exhausted platinized titanium mesh anodes with PLATIFUSION® treatment



low environmental impact

total recovery of the titanium meshes



maximum saving



infinite life cycle of the anode





Custom insoluble anodes

PLATIFUSION is available for insoluble anodes of fully customizable shape, thickness and size in fast delivery terms.

metal base	Ti grade 1
shape of the base	mesh 5 x 10 x 1 x 1 mm
sizes	custom assemblable modules max 40 x 80 x 0.1 cm
surface factor	1.2
Pt thickness	1 - 5 μm
Ti stem	max 100 x 2 x 0.15 cm max 100 x 3 x 0.15 cm



Special insoluble anodes

PLATIFUSION includes a range of insoluble electrodes in platinized titanium mesh, with standard shapes and sizes, specifically designed for the use of galvanic solutions based on precious metals in tanks from 1 to 300 liters.

metal base	Ti grade 1
shape of the base	mesh 5 x 10 x 1 x 1 mm
surface factor	1
Pt thickness	2.5 µm
Ti stem	25 x 2 x 0.15 cm

Horizontal	size	beaker	code
PLATIFUSION 510H	5 x 10 cm	1 L	AN020101
PLATIFUSION 515H	5 x 15 cm	2 L	AN020102
PLATIFUSION 520H	5 x 20 cm	5 L	AN020103

Curved	size	beaker	code
PLATIFUSION 510SC	5 x 10 cm	1 L	AN020401
PLATIFUSION 515SC	5 x 15 cm	2 L	AN020402
PLATIFUSION 520SC	5 x 20 cm	5 L	AN020403

Vertical	size	beaker	code
PLATIFUSION 510V	5 x 10 cm	1 L	AN020201
PLATIFUSION 515V	5 x 15 xm	2 L	AN020202
PLATIFUSION 520V	5 x 20 cm	5 L	AN020203
PLATIFUSION 1020V	10 x 20 cm		AN020301
PLATIFUSION 1025V	10 x 25 cm		AN020302
PLATIFUSION 1030V	10 x 30 cm		AN020303
PLATIFUSION 1035V	10 x 35 cm		AN020304
PLATIFUSION 1040V	10 x 40 cm		AN020305
PLATIFUSION 1045V	10 x 45 cm		AN020306
PLATIFUSION 1050V	10 x 50 cm		AN020307

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AN020401

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Cylindrical	size	beaker	code
PLATIFUSION 4095C	4 x Ø 9.5 cm	1 L	AN020501
PLATIFUSION 5125C	5 x Ø 12.5 cm	2 L	AN020502
PLATIFUSION 7165C	7 x Ø 16.5 cm	5 L	AN020503

T	Beaker Kit	size	beaker	code
-	PLATIFUSION 510K1	5 x 10 cm	1 L	AN020601
	PLATIFUSION 510K2	5 x 15 cm	2 L	AN020602
	PLATIFUSION 510K5	5 x 20 cm	5 L	AN020603

OTHER ANODES

A complete range of different metal anodes for galvanic use: mixed metal oxide of ruthenium and iridium, electrolytic copper, copper-phosphorus, oxygen-free copper, electrolytic nickel, graphite and pure silver anodes.

	ì	
1	0	

AN010100

AN010900

product		size	code
ANODE 205GRF	graphite anode	customized	AN010100
ANODE 206NI	nickel - electrolytic anode	customized	AN010200
ANODE 207CU-DHP	copper - DHP electrolytic anode	customized	AN010400
ANODE 207CU-OFHC	copper - oxygen free anode	customized	AN010600
ANODE 208CU-P	copper - phosphorus anode	customized	AN010700
ANODE 202MMO-Ru	MMO Ti/Ru mesh grid anode	customized	AN010300
ANODE 202MMO-Ir	MMO Ti/Ir mesh grid anode	customized	AN011000
ANODE 204AG	pure Ag anode	customized	AN010900

AN020303

AN020603



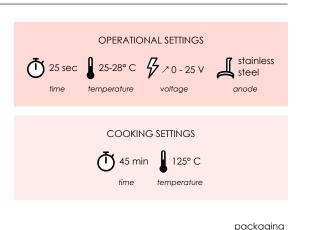
CATAFOR

high performance cataphoretic lacquers -

CATAFOR is a high performance cathodic dip-paint coating process, transparent and coloured, able to deposit incredibly resistant films which are imperceptible to the touch and the eye in a uniform and long-lasting manner on any metal object that needs protection against oxidizing and chemical agents. CATAFOR is able to deposit extremely transparent films as well as very resistant layers without colour shade limits.

CATAFOR 400 series includes low and high thickness lacquers developed for several uses and application fields: for high jewellery, for luxury colour effects, for silver and costume jewellery to prevent oxidation, for fashion accessories to increase the wear resistance.

CATAFOR requires a special current rectifier (high voltage low ampère and with programmable ramp) and a fan drying oven with controlled temperature.



CATAFOR 10	0 line	ready t	to use c	ataphoretic lacq	uers (C = op	paque,	T = trasparent)			5 - 10 kg
101	neutral		102C	red		102T	light red		103C	blue
code	VE014801		code	VE011401	\bigcirc	code	VE012001		code	VE011501
103T	light blue		104C	deep yellow		104T	light yellow		105C	green
	VE012101		code	VE011601		code	VE012201		code	VE011701
105T	light green		106C	deep black		106T	light black		107C	deep violet
	VE012301		code	VE011801		code	VE012401		code	VE011901
107т	light violet		108C	deep orange		108T	light orange		109C	lilac
code	VE012501		code	VE012701		code	VE014301		code	VE012801
109T	light lilac		110C	deep lime		110T	light green lime	\bigcirc	111C	white
code	VE014001		code	VE014101		code	VE014201	\bigcirc	code	VE014401
112C	copper oxyde		112T	copper oxyde		113C	deep brown		113T	light brown
code	VE014601		code	VE014901		code	VE015301		code	VE015901
product										packaging
CATAFOR 40	0H line	ready t	to use h	igh thickness cate	phoretic la	cquers				1 - 10 L
402H	gold		403H	bronze		404H	ruby red		405H	polished black
code	VE015101		code	VE015201		code	VE015501		code	VE016401
406H	polished blue									

code VE016501

product		form	packaging	code
CATAFOR 400L	neutral low thickness cataphoretic lacquer	concentrated	5 - 10 kg	VE010101
CATAFOR 401L	neutral low thickness cataphoretic lacquer	ready to use	1 - 10 L	VE011001
CATAFOR 400H	neutral high thickness cataphoretic lacquer	concentrated	5 - 10 kg	VE010201
CATAFOR 401H	neutral high thickness cataphoretic lacquer	ready to use	1 - 10 L	VE015001



decorative enamels and hardeners –

ENALOR is a range of two-component cold enamels with high technical features obtained by mixing only high quality epoxy resins which can be polished / lapped and laser marked after hardening.

The ENALOR enamels, even if they are considered "cold type", require a baking in a fan oven with controlled temperature in order to become hard. All ENALOR enamels are heavy metals free and comply with EN 71 part 3;1994 and annexes of 2000 and AC 2002.



NALC	OR 100	line	opaqu	e cold l	picomponent enar	mels					1 kg - 250 g
\frown	101B	basic white		102	transparent white		103	white cream		104	white ivory
	1 kg 250 g	SM010201 SM010202		1 kg 250 g	SM010301 SM010302		1 kg 250 g	SM010401 SM010402		1 kg 250 g	SM010501 SM010502
	105	dirty white		106B	basic lemon yellow		107B	basic yellow		108	dark yellow
	1 kg 250 g	SM010601 SM010602		1 kg 250 g	SM010701 SM010702	-	1 kg 250 g	SM010801 SM010802	_	1 kg 250 g	SM010901 SM010902
	109B	basic olive green		110	orange 1		111	orange 2		112B	basic orange
	1 kg 250 g	SM011001 SM011002		1 kg 250 g	SM011101 SM011102		1 kg 250 g	SM011201 SM011202		1 kg 250 g	SM011301 SM011302
	113B	basic orange		114	light pink		115	pink		116	light red
	1 kg 250 g	SM011401 SM011402		1 kg 250 g	SM011501 SM011502		1 kg 250 g	SM011601 SM011602	_	1 kg 250 g	SM011701 SM011702
	117B	basic red		118	red		119	red		120	red
	1 kg 250 g	SM011801 SM011802		1 kg 250 g	SM011901 SM011902		1 kg 250 g	SM012001 SM012002		1 kg 250 g	SM012101 SM012102
	121B	basic bordeaux		122	dark red		123	violet		124B	basic dark purpl
	1 kg 250 g	SM012201 SM012202		1 kg 250 g	SM012301 SM012302		1 kg 250 g	SM012401 SM012402		1 kg 250 g	SM012801 SM012802
	125	light green		126	medium green		127	dark green		128	emerald green
	1 kg 250 g	SM012601 SM012602		1 kg 250 g	SM012701 SM012702		1 kg 250 g	SM012901 SM012902		1 kg 250 g	SM013001 SM013002
	129	moss green		130B	basic night green		131	light blue		132	turquoise
	1 kg 250 g	SM013101 SM013102		1 kg 250 g	SM013201 SM013202		1 kg 250 g	SM013301 SM013302		1 kg 250 g	SM013401 SM013402







NALOR 400 line	hardeners for cold enamels		1 kg - 250 g	
405 neutral	406 neutral	408 neutral	401 neutral	
1 kg SM040501 250 g SM040502	1 kg SM040601 250 g SM040602	1 kg SM040801 250 g SM040802	1 kg SM040201 250 g SM040202	
ain nieces without border lens ettect	tlat surfaces (room temperature)	tlat surfaces	curve surfaces level 1	
ain pieces without border, lens effect	flat surfaces (room temperature)	flat surfaces	curve surfaces level 1	
410 neutral	tiat surfaces (room temperature) 411 neutral	11at surfaces	curve surfaces level 1 407 neutral	
410 neutral 1 kg SM041001 250 g SM041002				

ENAMELS & LACQUERS



MASKING LACQUERS

Two different solutions, that can be used both with cataphoresis and with traditional plating process, are appropriate to obtain the multichromy on the object to be treated. The masking lacquers are distinguished for their ease of use: they can be removed manually by peeling or dissolving them in a solvent.

product		colour	packaging	code
BICOLOR R20	soluble masking lacquer	red	100 g	VE040201
CATAFOR 100M	masking lacquer for cataphoretic coating (peeling-off and soluble)	light blue	80 g	VE040301

CONDUCTIVE LACQUERS

METALCOR is a conductive lacquer based on highly purity colloidal silver capable of making conductive substrates of nonconductive nature such as plastics, wax, resin, wood, glass. METALCOR is used before plating treatments to metallized surfaces. METALCOR is characterised by its ease of use and for the extraordinary distribution on treated parts by brush or airbrush.

product		colour	packaging	code
METALCOR 100V-1K	concentrated silver based conductive lacquer	silver	1 kg	VE020101
METALCOR 100V	concentrated silver based conductive lacquer	silver	100 ml	VE020102
METALCOR 100D-1L	thinner for silver based conductive lacquer		1 L	VE020201
METALCOR 100D	thinner for silver based conductive lacquer		100 ml	VE020202





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