

CATALOGO DE METALES PRECIOSOS

GOLD

Bath type	Process	Description	Gold content g/l	KT	Deposit Density g/cm ³	Plating Speed μ m/Min
Cyanide	EPIDOR 400 SERIE	Flash Gold process to obtain colors from 1N to 5N with cyanide	0,5	23	170	0,07
Low acidity	EPIDOR 511	Flash Gold process to obtain colors from 0,5 N to 1N	1	23	170	0,05
Low alkaline process Free of free Cyanide	EPIDOR 700 SERIE	Flash Gold process to obtain colors from 1N to 5N. Recommended on plastic.	0.3	23	170	0.07
Low alkaline process Free of free Cyanide	EPIDOR 800 SERIE	Flash Gold process to obtain pale colors from 1N to 5N. No strong complexing agents.	0.3	23	170	0.07
Low alkaline process	PARADOR 7917	Amber finishing. L79 - a9 - b17. Au Cu Ru	1,0	23	170	0,07
Low alkaline process Free of free Cyanide	EPIDOR 818	Flash Gold process to obtain a 1N color deposit. 18 KTs	0.3	18	160	0.07
Cyanide	EPIDOR 900	Flash Gold process bath to obtain colors from 1N to 5N	1	23	160	0.05
Low acidity	EPIDOR 200 SERIE	Flash Gold process to obtain 3N colors.	0,5	23	180	0,05
High acidity	EPIDOR 065	Pre-gilding process on stainless steel. Au Ni	2	23.8	190	0.09
High acidity	EPIDOR 060	Pre-gilding process on stainless steel. Au Co	1	23.8	190	0.09

GOLD - ECOLOGICAL PROCESSES

Bath type	Process	Description	Gold g/l	KT	Deposit Density g/cm ³	Plating Speed μm/Min
Low acidity	PARADOR NF	Gold plating bath nickel free to obtain 2N-3N color deposits. Au Fe In alloy	2	23	170	0.1
Low acidity	PARADOR 114 ECO	Gold plating bath to obtain 1N color deposits. Au Ni In alloy	2	23	170	0.1
Low acidity	PARADOR 218 ECO	Gold plating bath to obtain 2N color deposits. Au Ni In alloy	2	23	170	0.1
Low acidity	PARADOR 9812	Bath plating. L85 – a3 – b23 Au Ni Fe alloy	3	23	170	0.15
Low acidity	PARADOR 270 ECO	Gold plating bath to obtain 3N color deposits. Au Co alloy	2	23	170	0.1
Acid	PARADOR 810	Flash Gold process to obtain "chocolate" color deposit: L80 – a7,5 – b12 Au Cu Ru alloy	1	23	170	0.07
Acid	PARADOR 910	Flash Gold process to obtain green color deposit: L75 – a0,6 – b25 Au In Ru alloy	1	23	170	0.07

GOLD - THICK DEPOSITS

Bath type	Process	Description	Gold g/l	KT	Deposit Density g/cm ³	Plating Speed μ m/Min
With cyanide	OMEGAL 180 CDF	Plating process to obtain thick deposits, yellow color, to be used as underlayer or topcoat. AuCuIn alloy	5	18	155	0.25
With cyanide	OMEGAL 160 CDF	Plating process to obtain thick deposits, pink color, to be used as underlayer or topcoat. Au Cu alloy	5	16 - 18	155	0.25
With cyanide	OMEGAL 140 CDF	Plating process to obtain thick deposits, pink yellow color, to be used as underlayer. Au Cu In alloy	5	14	125	0.4

SULPHITE GOLD

Bath type	Process	Description	Gold content g/l	KT	Deposit Density g/cm ³	Plating Speed μ m/Min
Neutral	AURECO 1540	Flash Gold process to obtain yellow to light pink color deposits.	Gold Palladium Copper	23	170	0.07
Neutral	AURIUM 298	Plating bath to obtain ductile deposits, yellow to light pink / CHAMPAGNE colors used as underlayer or as topcoat.	Gold Palladium Copper	22	170	0.26
Neutral	AURECO 101	Flash Gold process to obtain yellow pink colors	Gold Palladium	23	170	0,07
Neutral	AURECO BLACK	Flash Gold process to obtain black deposit, to downgrade (tribofinishing)	Gold Palladium Ruthenium	23	170	0,07

GOLD - ELECTRONIC APPS

Bath type	Process	Description	Gold content g/l	KT	Deposit Density g/cm ³	Plating Speed µm/Min
Low acidity	PARELEC STRIKE	Pre-gilding bath to obtain a good adhesion on base material	Gold	23	185	0.1
Low acidity	PARELEC 280	Special gold bath for « jet plating » and « reel to reel » on electric components.	Gold Nickel	23.8	175	1
Low acidity	PARELEC 270	Special gold bath for « jet plating » and « reel to reel » on electric components.	Gold Cobalt	23.8	175	1

GOLD - 3N COLORS

Bath type	Process	Description	Gold content g/l	KT	Deposit Density g/cm ³	Plating Speed µm/Min
Low acidity	AURANE 793	Gold plating bath used as intermediate or final layer. Au Fe alloy	3	23	170	0.15
Low acidity	AURANE 793 3N	Gold plating bath to obtain 3N colors deposits. Au Fe alloy	3	23	170	0.15
Low acidity	AURANE PARADOR HS	High velocity gold plating to obtain 3N colors deposits Au Fe alloy	4	23	170	0.25

PALLADIUM

Bath type	Process	Description	Metal content g/l	Deposit Density g/cm ³	Plating Speed μ m/Min
Alkaline	DECOMET 46 FLASH	Pure palladium process	3 g/l Pd	116	0.15
Alkaline	DECOMET 100	Pure palladium process to obtain thick deposit	7 g/l Pd	116	0.22
Alkaline	PALLIUM 800	Palladium/nickel process 80/20 alloy	10 g/l Pd 6 g/l Ni	112	0.40
Alkaline	PALLIUM 820	Palladium/nickel process 80/20 alloy	5 g/l Pd 2 g/l Ni	112	0.22
Alkaline	PALLIUM 905	Palladium/nickel process 90/10 alloy	5 g/l Pd 1 g/l Ni	114	0.25
Alkaline	DECOMET 400 LG15	Palladium/indium process 85/15 alloy	3 - 5 g/l Pd 3 g/l In	110	0.15
Alkaline	DECOMET 460 NF	Palladium/Iron process 95/5 alloy	3 - 5 g/l Pd 0,3 g/l Fe	110	0.15
Alkaline	DECOMET 700 NF	Palladium pure grey L 64 process for barrel applications	1 g/l Pd	116	0.02
Alkaline	DECOMET 710 NF	Palladium pure grey L 64 process for rack applications	1 g/l Pd	116	0.02

RUTHENIUM

Bath type	Process	Description	Metal content g/l	Deposit Density g/cm ³	Plating Speed μm/Min
Acid	RUTHENIUM 442	Ruthenium bath, dark grey color deposit, maximum colorimetric value L = 58	5	125	0.04
Acid	RUTHENIUM 520	Black ruthenium deposit , maximum colorimetric value L = 52	5	125	0.02
Acid	RUTHENIUM 420	Deep black ruthenium deposit, maximum colorimetric value L = 42	5	125	0.01
Alkaline	RUTHENIUM 800	Ruthenium bath, dark grey color deposit, maximum colorimetric value L = 64	4	125	0.04

RHODIUM

Bath type	Process	Description	Metal content g/l	Deposit Density g/cm ³	Plating Speed μm/Min
Acid	RHODIUM 100	Extra white rhodium deposit, fluoride free, protects stones and mother-of-pearls on jewels	2	124	0.03

PLATINUM

Bath type	Process	Description	Metal content g/l	Deposit Density g/cm ³	Plating Speed μm/Min
Acid	PLATINE 780	Extra white platinum deposit for decorative and jewelry applications	5	214	0.06

SILVER

Bath type	Process	Description	Metal content g/l	Deposit Density g/cm ³	Plating Speed $\mu\text{m}/\text{Min}$
With Cyanide	SILVIUM 100	Silver bath to obtain extra white deposits, organic brightener	30	99.9 %	0.6
With Cyanide	SILVIUM 400	Silver bath to obtain hard and white deposits, metal brightener	30	99.5 %	0.6
With Cyanide	SILVIUM 600	Silver bath to obtain medium brightness deposits, ideal for brazing	30	99.9%	0.6
With Cyanide	SILVIUM 900	Silver bath to obtain extra white deposits, organic brightener	30	99.9%	0.6
Cyanide Free	SILVIUM 700	Silver bath to obtain white semi bright deposits, for technical rack and barrel applications	30	99.9%	0.7

BRONZE

Bath type	Process	Description	Alloy	Deposit Density g/cm ³	Plating Speed $\mu\text{m}/\text{Min}$
With Cyanide	AURALLOY 250 LF	Yellow bronze bath, lead free, underlayer applications. Perfect substitute for nickel layer	Copper Tin Zinc	85	0.45
With Cyanide	AURALLOY 420 LF	White bronze bath, lead free, underlayer or topcoat applications. Perfect substitute for nickel layer	Copper Tin Zinc	81	0.33
With Cyanide	AURALLOY 450 LF	White bronze bath, lead free underlayer or topcoat applications. Perfect substitute for nickel layer	Copper Tin Zinc	81	0.33
With Cyanide	AURALLOY 400 LF	White bronze bath, lead free for barrel applications. Perfect substitute for nickel layer	Copper Tin Zinc	81	0.08