

Technology In Fashion

Surface finishes for enduring style and opulence



Our finishes touch you.

Making the difference to your brand.

COVENTYA products don't just finish your luxury items; they complete them. Our innovative precious metal technology and artful aesthetics give the brand owner the ability to direct the course of fashion – and the decision making of consumers.

Often the first detail customers notice, COVENTYA precious metal finishes are created to be:

ENDURING. Whether the look is timeless or on-trend, COVENTYA finishes are designed to last.

INDULGENT. COVENTYA finishes elevate the quality of your products, differentiating them from lesser brands and cultivating a culture of “want”.

EXCITING. Add allure to your designs with beautiful finishes that stand out.

EXCLUSIVE. COVENTYA allows you to capture attention with tailored, bespoke finishes offered exclusively by your brand.

INSPIRING. Innovative finishes that challenge the known and induce designers to dream.

ECO-CHIC. COVENTYA's ECOLINE initiative provides the eco-responsible commitment that end-users desire and are proud to showcase.

Our desire to finish.

Is more than just fashionable.

COVENTYA strives to develop technology that mirrors the needs of the world we live in. From automobiles and airplanes to computers and oil fields, our diverse portfolio of products helps move the world. Our role in luxury and fashion, however, allows us to move you.

Behind our lab coats and safety glasses lie artists with a desire to evoke a human response. Maintaining a passionate connection to luxury and fashion allows us to excite people – not just industries.

COVENTYA is proud to showcase the artistry and beauty of our finishes on some of the most recognizable brands in the world. Gucci, Prada, Hermes and Loius Vuitton are just a handful of the companies enhanced by COVENTYA Precious Metal products.



Technology that moves fashion forward.

Experience quality you can feel, an endless imaginative array of colors, limitless product possibilities, and world-class support from sketchpad to plating tank.

INNOVATION INVITES POSSIBILITY. POSSIBILITY INVOKES FREEDOM.

COVENTYA recognizes that fashion trends move quickly. Last season's hot seller moves from the front of the window to the back of the closet in the blink of an eye.

This is where COVENTYA excels. Our commitment to innovation welcomes the impossible and our ability to deliver breakthrough technology frees an artist's vision.

Recent innovation highlights:

- ★ **RUTHENIUM 420** - Durable, Black and completely hypoallergenic
- ★ **OMEGAL 140/180CDF** - Cadmium-free gold processes-REACH compliant
- ★ **AURALLOY 420LF** - Beautiful and hypoallergenic alternative to nickel

The COVENTYA possibilities are limitless, if a designer can dream it, we can develop it.

CLOSE YOUR EYES AND DREAM... COVENTYA PROTECTS YOUR BRAND.

PRECIOUS METAL PRODUCT LINE

AURANE

Gold Iron Processes that produce 23 Carat 3N color deposits.

AURALLOY

Family of processes that produce brilliant lead-free white bronze deposits ideal for replacing nickel.

AURECO

Gold alloys of Palladium, Copper or Ruthenium Processes that produce a series of unique finishes

EPIDOR

Series of processes that produce pure Gold deposits that meet a variety of applications.

OMEGAL

Novel, Cadmium-free, REACH compliant Gold alloys designed as an underlayer.

PARADOR

Gold alloys of Nickel, Iron, Cobalt and Ruthenium that produce a wide array of finishes for many applications.

PALLIUM

Collection of processes that produce exotic Palladium Nickel alloys.

DECOMET

Processes that produces Nickel-free Palladium alloys.

PLATINE

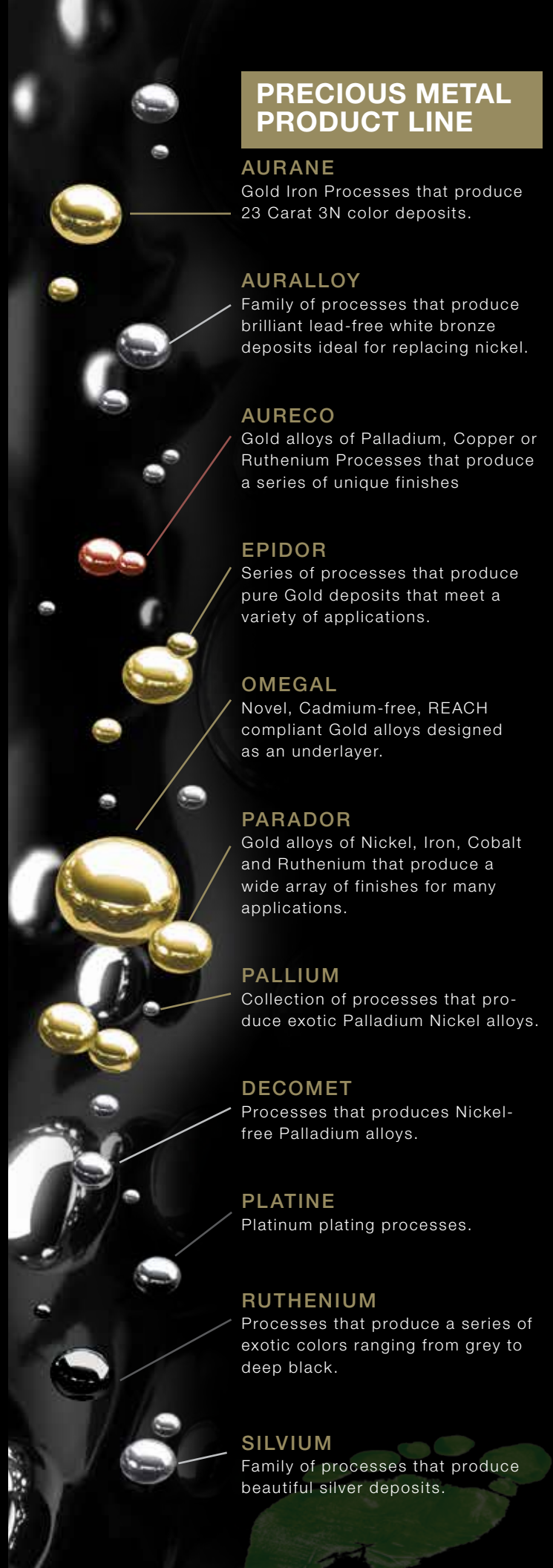
Platinum plating processes.

RUTHENIUM

Processes that produce a series of exotic colors ranging from grey to deep black.

SILVIUM

Family of processes that produce beautiful silver deposits.



ECO-Chic is not a trend; it's a necessity.

Our world has evolved to a point where eco-responsible activity is no longer a choice; it's a requirement. This is easy to see in the luxury and fashion markets where "green" or eco-friendly product characteristics are now key purchasing drivers. COVENTYA went beyond the standard when it introduced its ECOLINE initiative in 2012. Please visit www.coventya.com to download a copy of our Sustainable Business Guide.



ECO-LINE INITIATIVE

- ★ Set a challenging, long term toxic substance reduction directive
- ★ Set eco-friendly requirements for all new products coming out of R&D
- ★ Created an eco-GRADE system for all products to simplify design decisions
- ★ Provide ongoing "responsible use" training for customers
- ★ Expanded our global Watercare division to address international needs



COVENTYA takes pride in knowing that our customers can focus on their fashion business, confident that our products are protected with enduring finishes that are equally consumer safe and beautiful.



Precious Metal Line: Deposit Characteristics

Precious Metal Line: Process Information

Deposit Color/Aspect	Deposit Type	Process Name	Typical Thickness (µm)	Hardness (HV)	L, a, b
Gold/Brilliant	Au/Fe	AURANE 793	0-3.0	160	84-3-24
Gold/Brilliant	Au/Fe	AURANE 793 3IN	0-3.0	160	86-7-31
Gold/Brilliant	Au/Fe	AURANE 601	0-0.20	325	87-1.3-14.7
Gold/Brilliant	Au/Fe	AURANE 602	0-0.20		88-2.5-21.7
Gold/Brilliant	Au/Fe	AURANE 603	0-0.20		86.6-3.6-27.1
Gold/Brilliant	Au/Fe	AURANE PARADOR HS	0-5.0	275	86-9-33
Gold/Brilliant	Au/Pd	AURECO 101	0-0.10	275	78-5-11
Gold/Brilliant	Au/Pd/Cu	AURECO 1540	0-0.10		80-7-18
Dark Gold	Au/Ru/Pd/Ni	AURECO BLACK	0-0.10		L 54-60
Gold/Brilliant	Au/Pd/Cu	AURIUM 298	0-1.0		87-7-19
Gold/Brilliant	Au/Co	EPIDOR 060	0-0.2	200	
Gold/Brilliant	Au/Ni	EPIDOR 065	0-0.2	200	
Gold	Au/Co	EPIDOR 200 Series	0-0.10		
Gold	Au/Various	EPIDOR 400 Series	0-0.10		
Gold/Brilliant	Au/Ni	EPIDOR 511	0-0.10	350	85.3-2.2-14.1
Gold	Au/Various	EPIDOR 700 Series	0-0.20		
Gold	Au/Various	EPIDOR 800 Series	0-0.10		
Gold	Au/Cu/Ni	EPIDOR 818	0-0.10		87-1.5-22
Gold	Au/Various	EPIDOR 900 Series	0-0.10		
Gold/Brilliant	Au/Cu/In	OMEGAL 140 CDF	0-5.0	400	88-4.5-15
Gold/Brilliant	Au/Cu	OMEGAL 160 CDF	0-5.0	400	87-9-15
Gold/Brilliant	Au/Cu/In	OMEGAL 180 CDF	0-5.0	350	88-3.5-16
Gold/Brilliant	Au/Ni/In	PARADOR 114 ECO	0-3.0	180	87-3-25
Gold/Brilliant	Au/Co	PARADOR 270 ECO	0-3.0	200	86-8.5-28
Gold/Brilliant	Au/Ni/In	PARADOR 218 ECO	0-3.0	170	87-4-26
Gold/Brilliant	Au/Ni/Fe	PARADOR 9812	0-0.50	170	85-3-23

pH	Operating Temp. (°C)	Primary Metal Content (g/l)	A/dm ²	Plating Speed (µm/min)	ECOLINE Grade*
3.8-4.3	35-45	2.5-3.5	1.8-2.2	0.25	
3.8-4.3	35-45	2.5-3.5	1.8-2.2	0.25	
3.3-3.8	30-38	2.0-2.8	0.8-1.2	0.08	
3.7-4.1	36-43	0.5-0.8	0.8-1.1	0.06	
3.7-4.2	30-38	0.8-1.2	0.8-1.2	0.08	
3.8-4.3	35-45	3.0-4.0	1.8-2.2	0.25	
9.8-10.2	42-48	0.45-0.55	1.8-2.2	0.03	
8.5-9.5	37-43	0.5-1.5	0.9-1.1	0.1	
9.5-10.5	38-42	0.4-0.7	2.0-3.0	0.03	
6.8-7.2	38-42	4.5-5.2	0.4-0.5	0.25	
1.0	25-30	1.5-2.5	2.0-2.4	0.03	
1.0	25-30	1.5-2.5	2.0-2.4	0.03	
4.5-5.5	50	0.3-0.5	0.5	0.02	
9.5-10.5	50-60	0.5-1.0	1.5-2.5	0.02	
3.8-4.2	25-35	0.7-1.3	0.8-1.2	0.04	
7.4-8.0	55-60	0.3-0.5	0.5-2.0	0.07	
7.5-8.0	55-60	0.3-0.5	0.5-2.0	0.06	
7.5-8.0	55-60	0.3-0.5	0.5-2.0	0.06	
8.8-9.2	55-60	0.5-1.0	0.5-2.0	0.06	
9.5-10.5	65-70	4.0-5.0	0.7-1.0	0.40	
9.5-10.5	68-70	4.0-6.0	0.5-0.7	0.25	
9.5-10.5	68-72	4.0-6.0	0.5-0.6	0.25	
3.5-3.8	30-40	2.0-4.0	0.5-1.5	0.10	
3.8-4.2	30-40	2.0-4.0	0.5-1.5	0.15	
3.7-4.0	30-40	2.0-4.0	0.8-1.5	0.10	
3.8-4.2	37-42	2.8-3.2	1.8-2.2	0.15	

**COVENTYA
ECO-GRADE**



Best Rating



Better Rating



Good Rating

PROCESS ECO-GRADE CRITERIA

Contains Free Cyanide (CN) but no (Ni, Co, Pb, Cd)

- ✓ Protection - Good Rating
- ✓ Functional - Good Rating
- ✓ Precious Metal - Good Rating
- ✓ Decorative - Good Rating

Free of Cyanide (CN) & metals of concern

- ✓ Protection - Better Rating
- ✓ Precious Metal - Better Rating
- ✓ Decorative - Good Rating

Low concentration of Nickel

- ✓ Functional - Good Rating
- ✓ Precious Metal - Good Rating

Free of Cyanide (CN) & Free of (Ni, Co, Pb, Cd, Cr)

- ✓ Protection - Best Rating
- ✓ Precious Metal - Best Rating
- ✓ Decorative - Best Rating
- ✓ POP - Best Rating

Does not contain (CN, Cd, or Pb)

- ✓ Protection - Best Rating
- ✓ Functional - Better Rating
- ✓ Precious Metal - Better Rating
- ✓ Decorative - Best Rating

Does not contain Ammonia (Cd, Pb)

- ✓ Protection - Better Rating
- ✓ Functional - Better Rating
- ✓ POP - Better Rating

Does not contain Ammonia (Cd, Pb)

- ✓ Functional - Best Rating
- ✓ POP - Best Rating

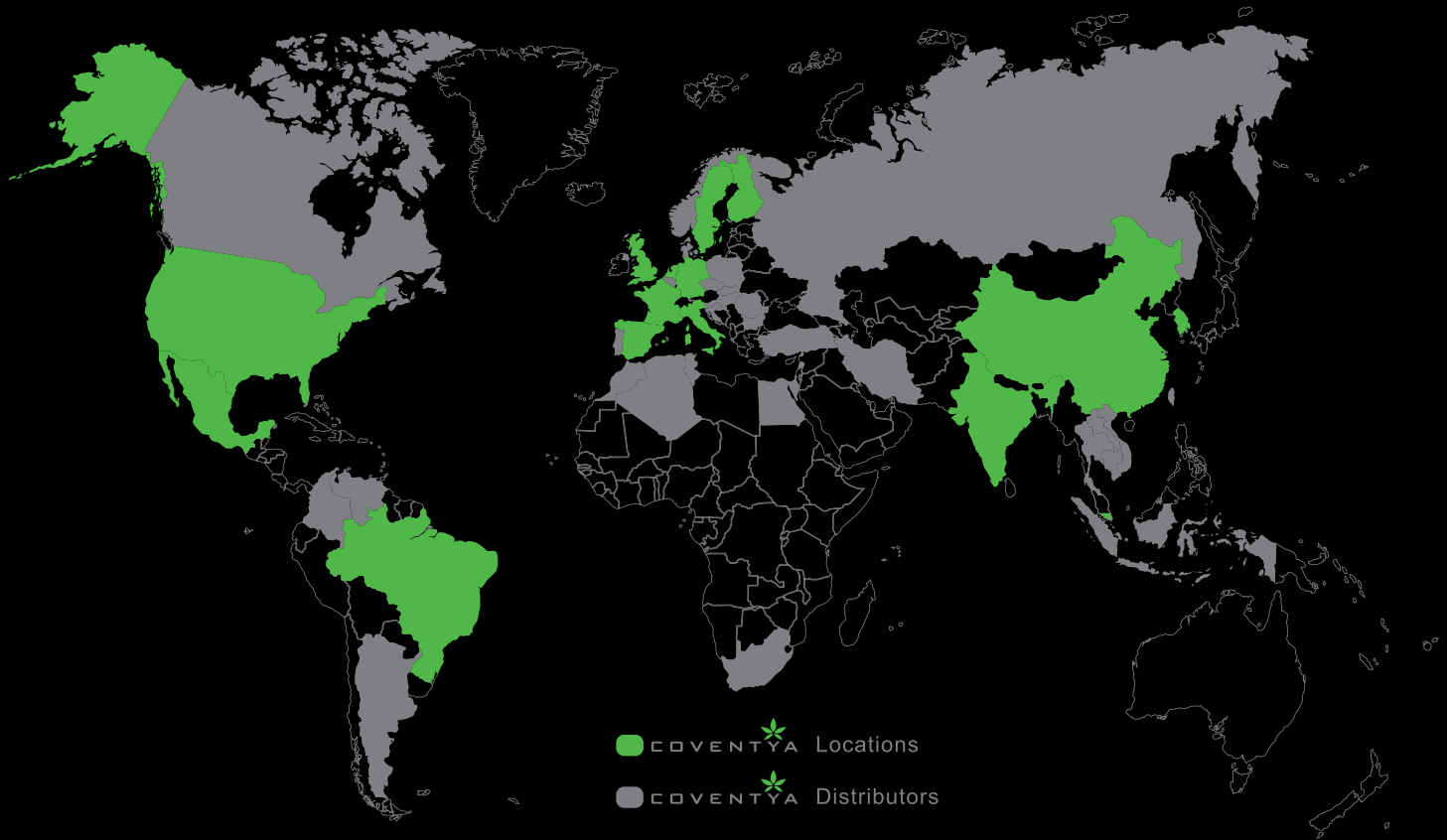
Does not contain Borates

- ✓ Protection - Better Rating
- ✓ Decorative - Best Rating





Gold/Brilliant	Au/Ru/Cu	PARADOR 810	0-0.10	200	80-7.5-12	3.3-3.5	48-55	0.7-1.3	1.0	0.02
Gold/Brilliant	Au/Ru/In	PARADOR 910	0-0.10	200	75-0.2-22.5	3.0-3.5	48-55	0.7-1.3	1.0	0.03
Bronze	Au/Ru/Cu	PARADOR 7917	0-1.10	200	79-9-17	3.2-3.6	48-55	0.7-1.3	2.0	0.04
White	Rodio	RHODIUM 100	0-0.5	850	90-1-2	0.6-1.0	25-35	1.8-2.2	1.0-3.0	0.04
White	Pt	PLATINE 780	0-0.3	400	86-1-5	0.6-1.0	25-35	5.0-10.0	1.0-3.0	0.03
White	Ag	SILVIUM 100	0-30.0	100		10.0-12.0	15-25	28-35	0.6-1.5	0.6
White	Ag	SILVIUM 400	0-30.0	180		10.0-12.0	15-25	28-35	0.6-1.5	0.6
White	Ag	SILVIUM 600	0-30.0	110		10.0-12.0	15-25	28-35	0.6-1.5	0.6
White	Ag	SILVIUM 700	0-10.0	120		9.8-10.2	17-25	28-35	0.8-1.2	0.7
White	Ag	SILVIUM 900	0-10.0	100		10.0-12.0	15-25	30-40	0.5-1.2	0.6
Gold	Cu/Sn/Zn	AURALLOY 250 LF	0-6.0	350		>13	47-53		1.0-2.0	0.45
White	Cu/Sn/Zn	AURALLOY 400 LF	0-3.0	450		>13	57-63	0.3-0.8	0.3-0.8	0.15
White	Cu/Sn/Zn	AURALLOY 420 LF	0-5.0	450		>13	55-60	1.5-2.5	1.5-2.5	0.35
White	Cu/Sn/Zn	AURALLOY 450 LF	0-5.0	450		>13	57-63	0.8-1.2	0.8-1.2	0.30
Dark Silver	Ru	RUTHENIUM 442	0-0.20	600	60-1-2	0.8-1.3	60-70	3.0-5.0	1.5-2.0	0.02
Black	Ru	RUTHENIUM 420	0-0.10	500	42-0.1-1.9	0.5-0.9	60-70	4.0-6.0	2.5-3.5	0.02
Black	Ru	RUTHENIUM 446	0-0.20	500	60-1-2	0.8-1.3	60-70	3.0-5.0	1.0-2.0	0.04-0.06
Black	Ru	RUTHENIUM 520	0-0.15	550	52.6-29-1.4	0.8-1.3	55-65	4.0-6.0	2.5-3.5	0.02
Black	Ru	RUTHENIUM 800	0-0.30	600	64.3-0.3-1.5	7.0-9.0	60-70	3.0-5.0	2.0-4.0	0.025
White/Brilliant	Pd	DECOMET 46	0-0.5	350	87-0.6-4.0	7.5-8.5	30-40	0.6-1.0	0.3-0.5	0.04
White/Brilliant	Pd	DECOMET 300	0-1.0	400	87-0.6-4.0	8.5-9.5	28-30	3.0-5.0	0.5-1.0	0.15
White/Brilliant	Pd/In	DECOMET 400 LG 5	0-1.0	400	85-0.7-5.3	8.5-9.0	35-45	3.0-5.0	0.6-0.8	0.13
White/Brilliant	Pd/In	DECOMET 400 LG 15	0-3.0	400	85-0.7-5.3	8.5-9.0	35-45	4.0-6.0	0.5-0.8	0.13
Grey Black	Pd	DECOMET 700	0-0.20	300	60-0.5-1.5	9.0-9.5	25-30	0.9-1.1	0.2-0.5	0.001
White/Brilliant	Pd/Ni	PALLIUM 905	0-3.0	400	86-0.7-5.3	7.5-9.0	25-35	4.0-6.0	0.5-2.0	0.20
White/Brilliant	Pd/Ni	PALLIUM 800	0-3.0	450	85-0.7-5.3	8.1-8.5	30-40	10	1.5-2.5	0.25
White/Brilliant	Pd/Ni	PALLIUM 820	0-3.0	400	85-0.7-5.3	7.3-8.5	25-35	4.0-6.0	0.5-2.0	0.20



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