



Metal deposits



Aurega® blend Ag 3018

Pale yellow deposits in 18 carat gold

The gold-silver process Aurega® blend Ag 3018 is an cyanidic, alkaline electrolyte which produces mirrorbright, pale-yellow-greenish deposits with a hardness of 110 HV₂₀. This type of process is used for decorative plating in the jewellery as well as optical frame industry. The deposit of Aurega® blend Ag 3018 has a gold content of about 75 % or about 18 carat.



Properties and Benefits

- Colour: pale yellow-greenish
- Bright deposits
- Cost saving especially when plating high thicknesses
- $L^* = 92,5$, $a = -3,5$, $b = +30$

Application area

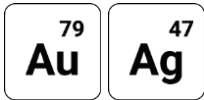
- Jewellery
- Optical frames
- Watches

Aurega blend Ag 3018_E

our know-how
is your success

iwgplating.com





Metal deposits



Technical Data

Electrolyte parameters		
Parameter	Range	Optimum
Specific gravity, new bath	2-3 °Bé/20°C	
pH-Value	10,4 – 10,8	10,6
Gold	4 – 6 g/l	5 g/l
Silver	0,75 – 1,25 g/l	1 g/l
KCN _{free}	8 – 12 g/l	10 g/l
Agitation	Necessary	
Temperature	30 – 40 °C	35 °C
Anodes	Platinized Titanium, MOX	
Current density	0,5 – 0,75 A/dm ²	0,5 A/dm ²
Current efficiency at 0,5 A/dm ² , 35 °C		approx. 80 mg/Amin
Current efficiency at 0,75 A/dm ² , 35 °C		approx. 70 mg/Amin
Exposition time for 1µm at 0,5 A/dm ² , 35 °C		approx. 4 min
Exposition time for 1µm at 0,75 A/dm ² , 35 °C		approx. 3 min

Deposit characteristics	
Appearance	pale yellow-greenish
Specific gravity15,5 g/cm ³
Carat	approx. 18 kt
Gold content.....	approx. 75%
Silver content	approx. 25%
Vickers Hardness	110 HV ₂₀

Products available

3905500.....	Aurega® blend Ag 3018 Replenisher
3905600.....	Aurega® blend Ag 3018 Wetting agent
.....	Aurega® blend Ag 3018 Complexer
.....	Aurega® blend Ag 3018 Solubilizer

FOR ANY FURTHER INFORMATION WE WILL BE PLEASED TO BE AT YOUR DISPOSAL PERSONALLY UNDER +43 (0)2287 71073 OR OFFICE@IWGPLATING.COM

Aurega blend Ag 3018_E

iwgplating.com



our know-how
is your success