



PRECIOUS METAL PRODUCTS FOR THE JEWELLERY INDUSTRY

Precious Metal Services Technical Data

Electrostripping

Data Sheet # PMS1112ES

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TO AID IN SHIPPING, THESE ELECTRO STRIPPING SALTS HAVE NOT BEEN PRE-MIXED WITH POTASSIUM CYANIDE.

Gold Electro Strip

Electrolytic stripping (or electro polishing) is an efficient and effective way to remove surface oxides or obtain a bright finish. It is particularly useful on complex patterns or difficult to reach areas of jewellery prior to polishing or tumbling.

Preparation:

Prepare your Stripping solution by taking 1000ml of warm water (30-40° C) and add 50gr of *Gold Electro Strip* salts and 100gr of *Potassium Cyanide*.

Recommended Equipment

Tank:	PPH
Heater:	Quartz immersion heater
Cathode:	Stainless Steel sheet
Anode:	Platinum hook

Stripping Process:

1. Heat the solution to approximately 60°C
2. Set the Voltage to 15-25 V (your rectifier should have a current density of 50-150 amps)
3. Hang the piece to be stripped from the hook and dip repeatedly from 2-10 seconds until the desired finish is obtained
4. The piece is ready for finishing

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Silver Electro Strip

Electrolytic stripping (or electro polishing) is an efficient and effective way to remove surface oxides or obtain a bright finish. It is particularly useful on complex patterns or difficult to reach areas of jewellery prior to polishing or tumbling.

Preparation:

Prepare your Stripping solution by taking 1000ml of warm water (30-40° C) and add 50gr of *Silver Electro Strip* salts and 100gr of *Potassium Cyanide*.

Recommended Equipment

Tank:	PPH
Heater:	Quartz immersion heater
Cathode:	Stainless Steel sheet
Anode:	Platinum hook

Stripping Process

1. Heat the solution to approximately 60°C
2. Set the Voltage to 15-25 V (your rectifier should have a current density of 50-150 amps)
3. Hang the piece to be stripped from the hook and dip repeatedly from 2-10 seconds until the desired finish is obtained **see notes*
4. The piece is ready for finishing

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Notes

After the first strip of Silver items, the oxide coating can easily be removed by cleaning in an ultrasonic cleaner and repeating the stripping process.

Useful Information

Regularly clean residue from your Cathode sheets to achieve a consistent current flow.

The Cyanide content will decline with time and may need to be re-charged after 4-6 weeks. This can be achieved by adding 30-50gr of Potassium Cyanide to your solution.

Your spent solution will contain precious metal particles which may or may not be worth recovering. Check with your local authorities for directions on disposal of waste solution.

It is important to keep any solution containing Cyanide away from acids and foods.

* An MSDS (Material Safety Data Sheet) is available for each of the stripping solutions upon request.

More information on Electro Stripping (Electro Polishing) can be found online on the World Gold Council website at the following address:

http://www.utilisegold.com/assets/file/discover/sci_indu/GTech/2002_35/Corti.pdf

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At Peter W Beck Pty Ltd we are continuously developing and improving our product range, as a consequence we reserve the right to alter product specifications without notice.

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