



## *Gold Plating Services*

### Technical Data Sheet

# TriVal 24K Acid Gold Strike Solution

## **Bath & Brush Application**

Gold Plating Services developed **TriVal 24K Acid Gold Strike** to be used as a pre-treatment step that will allow the user to plate 24 Karat gold directly onto extremely difficult to plate alloys such as stainless steel, Invar, or Kovar. The secret to the superiority of Gold Plating Services' **TriVal 24K Acid Gold Strike** is the potassium auric-cyanide complex. The tightly bound complex allows this superior gold strike solution to have a pH of less than one. This super-aggressive solution ensures concurrent activation and deposition of a thin layer of metallic gold for maximum adhesion.

Because of its low cathode efficiency, this solution is best used as a pretreatment only. The final gold deposit should be applied using a high efficiency solution such as our 24K Bright Gold Solution or 24K Pure Gold Solution.

### **Usage Notes:**

- This is a consumable solution - the components break down with use and it is not intended to be replenished.
- Top off all evaporation loss with distilled water.
- Provide ventilation.
- A darker yellow deposit is a result of components within the bath breaking down and is a sign that it may be time to replace the solution.

## **Operating Conditions**

<b>Temperature -</b>	Room
<b>Time -</b>	20 - 30 Seconds, or until the surface shows a light lemon-yellow tint
<b>Voltage -</b>	5 - 7 Volts, light to moderate gassing
<b>Bath Anode -</b>	Bagged Graphite or Platinized Titanium
<b>Brush Anode -</b>	Platinized Titanium Bit with a Cotton Sleeve

Read and understand SDS sheets before using. For professional use by trained technicians only.

### ***Gold Plating Services***

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