



## Activator-SS<sup>™</sup> Acid Activator

### Product Description

**Activator-SS<sup>™</sup>** is a powerful acid activator that provides excellent oxide removal and etching properties to help metals plate onto stainless steel.

**Activator-SS<sup>™</sup>** offers a low cost, easily maintainable and ecological alternative to hazardous and noxious acids.

**Activator-SS<sup>™</sup>** is designed to activate stainless steel for gold plating with **EarthCoat<sup>™</sup>** gold plating solutions, for a complete cyanide free process.

### Applications:

Activates and powerfully etches Stainless Steel.

### Cautions: Read all safety information before attempting to use this product

1. Use only in well ventilated area.
2. Wear gloves, safety goggles, and an apron.
3. Avoid prolonged contact with skin.
4. Do not mix with **ElectroKing<sup>™</sup>** when below 100°F (32°C)

### Operating Conditions:

Temperature	80° F-100° F
PH	1.5-2.0
Beaker	Pyrex
Current	6-8 Volts
Anodes	Titanium, Platinum-clad, Carbon or Graphite
Time	45-60 Seconds

### Bath Set Up:

1. Fill a one quart or 1000mls beaker nearly full with **Activator-SS™**
2. Check solution temperature to assure it is between 80-100° F.
3. Check connections from rectifier to anode and work to be sure the negative (-) and positive (+) wires are connected properly. The work should be charged negative (-), and the anode positive (+).
4. Turn rectifier on.
5. Activate at 6-8 volts for 45-60 seconds depending on size of the part. Part should be completely clean prior to further plating .
6. Larger parts require slightly higher voltage, while smaller parts require lower voltage. If part shows any burning such as dark or gray deposits around he edges, you are burning the part and must lower the voltage. If part is not cleaning after two minutes, voltage is too low, therefore, increase voltage slightly.
7. After activating, rinse part thoroughly in water and continue the plating process with **EarthCoat™** gold plating solutions at 140°F. Plate 15-30 seconds longer than normal.
8. If you are not going to continue the plating process immediately, then dry the part thoroughly. When you continue the plating process, re-activate the part in **Activator-SS™** to assure better adhesion.
9. Change solution when **Activator-SS™** becomes inactive, or reaches a PH higher than 2, or noticeably dirty.

### Discard & Replace:

**Activator-SS™** is a rugged solution and is designed to help assure long life. If, however, a problem should arise that cannot be solved by any of the above recommendations, or recommendations by our or any other qualified laboratory, the bath may need to be replaced: Transfer to a D.O.T. approved container. Check with local authorities for proper disposal methods.