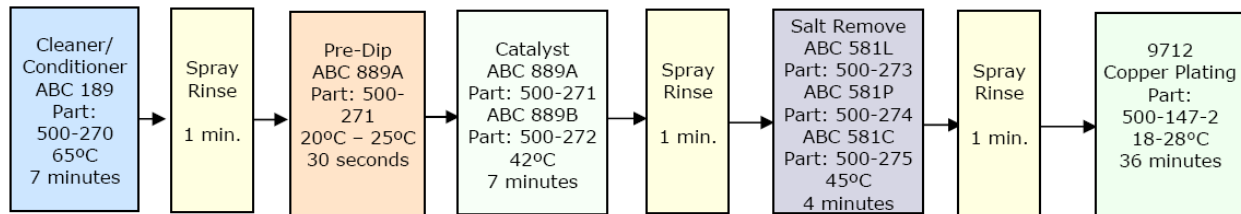


THE INFORMATION AND RECOMMENDATIONS CONTAINED HEREIN ARE BELIEVED TO BE ACCURATE - HOWEVER NO GUARANTEE OR WARRANTY EXPRESSED OR IMPLIED IS GIVEN

ABC CHEMICALS Release date: Feb 2003/ Revised: October 2008

In keeping with our policy of continually improving our products, we are pleased to announce the arrival our new range of ABC Plating Chemicals. Although they are used in a very similar manner to the old ABC chemicals, we now include one extra step which uses the spare unheated tank in the plating line.

The process sequence is shown below:



BATH MAKE-UP INSTRUCTIONS FOR 5 LITRE BATH

1. CLEANER / CONDITIONER : ABC 189 (part: 500-270)

Add 150ml ABC189 to 4850 ml of de-ionised water to make 5 Litres

2. PREDIP : ABC 889A Use as supplied

3. CATALYST : ABC 889A Add half of the contents of ABC 889A to the tank, then add 200 ml of the ABC 889B and top up to 10mm from top of the tank with the rest of the ABC 889A.

4. SALT REMOVER : ABC 581L, ABC 581P & ABC 581C Put 2 litres of de-ionised water into the tank. Add 2.15 Litres of ABC 581L followed by 500ml of ABC 581P and then 50ml of ABC 581C. Top up to working level with de-ionised water.

N.B. Always ensure that chemicals are mixed in this order.

5. COPPER PLATING: Use as supplied – see pages 7 & 8 for instructions to electrolyse new solution, and page 13, for bath replenishment and replacement

BATH MAINTENANCE AND REPLENISHMENT

This is done on a m² basis of PC boards processed or using the amp hour meter with 1.25m² representing 500 amp hours as follows:

1. CLEANER / CONDITIONER

After processing 2.5m² of boards add 15 ml of ABC 189.- For best results it is recommended to make-up a fresh bath every 3 months. Operating temperature 60° - 70°C option 65°C

2. PREDIP

After processing 1.25m² board, take out 500ml of used solution and add 500ml of NEW ABC 889A solution. Solution should be changed after processing 60m² of boards. Operating temperature 20°C – 25°C (Room Temp.)

3. CATALYST

After processing 2.5m² boards – add 25 ml of ABC 889B. Solution should be changed after processing 60m² of boards.

N.B. Always place a blank piece of board in the tank and start the oscillation in order to ensure solution agitation during heat up time. Operating temperature 38°C – 44°C

N.B. NEVER EXCEED 50°C

4. SALT REMOVER

After processing 2.5m² boards add: 215 ml of ABC 581L + 50 ml of ABC 581P + 5 ml of ABC 581C Solution should be changed after processing 100m² boards. Operating temperature 40°C–50°C optimum 45°C

N.B. In all the baths any loss of liquid due to evaporation should be topped up using de-ionised water. **Except the Catalyst Tank** which should be a mix 60% ABC889A Predip with 40% de-ionised water

(IMPORTANT: Remember to mix rehdip and de-ionised water before adding to catalyst tank).

Finally, please note the Starter Kit now contains enough chemicals to replenish 10m² of boards