DIRECT PLATING SYSTEM
DP ACCELERATOR

INTRODUCTION

DP accelerator is designed to remove tin salts and provide a void free conductive palladium-copper layer to promote a rapid and complete electrolytic copper plating stage.

OPERATING DATA

1- BATH MAKE UP

DP accelerator B	300 g/L
DP accelerator A	20 ml/L
D.I water	balance

- To a clean tank fill 75 % of tank total volume with D.I water.
- Add slowly with continuous stirring **300 g** of DP accelerator B for each liter of total volume required.
- Add slowly with continuous stirring **20 ml** of DP accelerator A for each liter of total volume required.
- Complete to final volume with D.I water and mix well

2- BATH MAINTENANCE

Replenishment

- For every **1 m^2** (total surface area) processed add:
  30 g of DP accelerator B.
  2.0 ml of DP accelerator A.

Replacement

- DP accelerator bath should be totally replaced when total surface area of 10 m2/L has been processed through the solution.

UNICHEM
UNITED INDUSTRIAL & ENGINEERING SERVICES Co.

Yield

- 1 liter of DP accelerator A is sufficient to process a total surface area of 50 m2 1 liter of DP accelerator B is sufficient to process a total surface area of 40 m2

3-Operating Parameters:

Copper	75 mg/L.
Operating temperature	40 °C.
Time	10 minutes.
Agitation	board movement is necessary.