

TECHNICAL DATA SHEET

Cyanide Copper Process (EB-550)

These salts are recommended for general plating purpose for use in rack or barrel and are designed for high rate of deposition of fine grain structure. The Rochelle salt in the solution helps to increase cathode efficiency, better anode corrosion. The bath is less critical and can be more easily maintained compare to other conventional bath, fine grade non porous 5-50 micron of copper can be obtained from high concentrated Rochelle baths at high temperature baths. These proprietary salts give high throwing power in recess, groves and ideal for jewelry plating or striking.

Make Up Method:

- Fill a separate tank 2/3rd with distilled water.
- Add required quantity of Cyanide copper salt and mix well.
- Decant and filter the solution.
- Maintain the solution at 60-70° to operating temperature.

Solution Composition:

CHEMICALS	RANGE	OPTIMUM
Cyanide copper salt EB-550	125-200 g/l	160 g/l

Operating Conditions:

Parameters	RANGE	Optimum
Density	10-14	12
pH	10-12	11
Cathode current density	2-3 A/dm ²	2 A/dm ²
Anode current density	1-1.5 A/dm ²	1.5 A/dm ²
Temperature	60-70°C	65°C
Agitation	Mechanical	Mechanical
Anode	99.99% Copper	99.99% Copper

Addition:

Operate solution at standard density, to increase in 1 beume add 14gm/ltr cyanide copper salt EB-550

Equipment's:

- A PVC, PP or similar materials is suitable to contain the Cyanide copper solution.
- PP, PVC lined filters having capacity of 2-3 turnover per hour is recommended.

Cautions:

- Must wear rubber gloves, shoes and apron
- Care should be taken while adding chemical