



Future Coat Technology

COPPER SALT (ORDINARY)

This salt is widely used for thin deposition for general purposes.

Equipments

Plane welded mild steel tank is normally employed.

Rubber lined can also be used. Electric immersion heater for heating. To maintain uniform bath temperature continuous agitation is necessary.

Solution preparation

Required amount of salt is dissolved in water and it is stirred till the homogeneous solution obtained. Then heat the solution for required temperature.

Anode

Copper anode should be used. The anode surface should be equal to the area of the article to be plated.

Concentration

Copper salt (O)	120gms
Water	1ltr
Temperature	55 ⁰ c- 60 ⁰ c
Current density	30-40 amp/ft ²
Voltage	3.5-5 VDC

Maintenance

Metallic Copper	10 Gms/ltr
Free Cyanide	6 Gms/ltr

Regular addition of copper cyanide is necessary to maintain the free cyanide content of the solution. Occasional analysis of a solution is advised to determine the copper content.

For deficiency of copper content

Add 5 Gms salt/ltr

To reduce free cyanide content

Copper cyanide added