

TECHNICAL DATA SHEET

SPECTEK DULL NICKEL SALT

This Nickel salts are general purpose nickel salts for all metals except zinc alloys. The deposit is very smooth and ductile. The solution can be used both for cold and hot operations.

CONCENTRATION OF BATH :

Spectek Dull Nickel Salt	125 gms
Water	1 lit.
Tanks	PVC or rubber lined steel.
Anodes	Rolled

Dissolve the salts in hot water contained in a tank or plastic vessel at the rate of 125 g/l and fill the tank. Allow to cool and adjust the density to 9-10°Be.

OPERATING CONDITIONS :

Density	9-10°Be
Temperature	20-30°C
pH	5.6-5.8
Current Density	0.3-0.6 A/dm ²
Bath Voltage	2-5 volts at the Vat terminals
Rate of Deposition	An average thickness of 10 microns can be obtained in 100 min time at a current density of 5 A/dm ²

PERFORMANCE :

- The pH value should be checked daily.
- To increase the density by 1°Be add 18 g/l of Spectek Dull Nickel Salt. Maintain the constituents as peer following :

Total Nickel	---	14 -15 g/l
Nickel Chloride	---	20 g/l
Boric Acid	---	9 -11 g/l

- Switch on the current before the articles are suspended.
- Keep anode area larger than the cathode area.
- Solution should be filtered regularly.

DISCLAIMER:

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