

## UNISTAR NICKEL ADDITIVE 402

UNISTAR NICKEL ADDITIVE 402 is a liquid additive which improves the performance of an electrolytic nickel plating bath contaminated with metallic and organic impurities. Small additions of UNISTAR NICKEL ADDITIVE 402 is extremely effective in reducing or eliminating darkness or dullness in low current density areas. This promotes the deposition of metallic impurities from the bath without affecting the final plated finish. It also improves tolerance to organic contamination.

### FEARTURES

Effective in small quantities and hence very economical. This can also be used to suppress the effect of excess brightener in the nickel bath. This generally eliminates the need for expensive and time consuming low current density electrolysis except in heavily contaminated solutions. Small additions give good low c. d. areas specially for zinc die castings and brass parts as it effectively removes the harmful effect of zinc in nickel plating solution.

### ADDITION

The Optimum quantity to be added initially depends in the level and type of contamination to be removed. Normally an initial addition of 0.2 - 0.8 ml/l is recommended and any additional quantity required is to be added in small quantities. Excess additions should be avoided since they can reduce levelling and deposit brightness.

### NOTE

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