

## Nickel Additive ZN

Nickel Additive ZN is added to nickel electrolytes, which have been contaminated with foreign metal ions accidentally or due to production.

This is particularly for bright nickel electrolytes, which are used to a great extent for parts made of zinc die-cast. At an increasing zinc contamination bright nickel coatings become as is well known matt- to black spotted or streaky and can even become brittle. In the most extreme case the covering power is strongly reduced, so there's even no nickel plating in the low current density area respectively at the contact points. Correction can be made by dummy plating selectively, but this often leads to a significant interruption of the production.

The disturbing influence of foreign nickel ions can be almost suppressed immediately by the use of Nickel Additive ZN so nickel plating can be trouble-free continued without compulsory idle-periods. Therefore, enough time can be saved to eliminate the respective source of trouble respectively to regenerate the electrolyte at a later point of time by dummy plating e.g. overnight or at the weekend.

After that, there's no need for a longer use, because Nickel Additive ZN can only be regarded as an interim aid.

The information in this data sheet is based on laboratory as well as practical experience. Figures quoted for operating limits and replenishment quantities are for guidance only. Actual values necessary will depend on the components being plated (material and geometry), their application and plating plant conditions.

### Important:

Please read this instruction carefully prior to the use of the process and carefully follow all the parameters that have a direct influence on the operation. We reserve the right to make technical changes. In the interest of safety, please pay attention to the hazard warnings on the labels of the containers. The minimum shelf life of the products is included on the labels and is also available in the appropriate Quality Assurance (QA03).

The current IMDS number of the layer deposited from the process is available on the internet at [www.schloetter.com/downloads](http://www.schloetter.com/downloads).

For the storage of chemical products the TRGS 510 must be followed.

**If the additives used in this process contain a SVHC-substance, then this will be specified in the corresponding Material Safety Data Sheet, section 15.**

