

Zinc-Nickel

SLOTOLLOY ZN 1840

Zinc-Nickel SLOTOLLOY ZN 1840 is a **weak acidic, ammonium- and boric acid-free high speed process**. It's used for the deposition of semi-matt to semi-bright zinc-nickel alloy coatings with a nickel content of 12 - 15 % by weight.

The electrolyte operates at high current densities and is characterised by a high deposition rate and a high tolerance regarding burnings, at the same time a good metal distribution as well as a constant alloy composition over a wide current density area is achieved.

Zinc-Nickel SLOTOLLOY ZN 1840 is suitable for both rack (preferably cast) and barrel application.

The metal content of the electrolyte is maintained in the correct ratio by the application of separate zinc- and nickel anodes. The electric circuit is separated on the anode side that means separate rectifiers are used for the particular anode type.

By a corresponding Cr(III)-containing passivation from our SLOTOPAS series, transparent, blue and black conversion layers with high corrosion protection can be produced. For a possible subsequent sealing, products of our SLOTOFIN series are available.

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. 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.

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.

