

# Electroless Nickel SLOTONIP 90 K

Electroless Nickel SLOTONIP 90 K is an ammonium-free process for the electroless deposition of nickel-phosphorus coatings onto metals and non-conductive material.

Light, semi-bright to bright layers are deposited from Electroless Nickel SLOTONIP 90 K. The deposits contain 10 - 12 % phosphorus.

Electroless Nickel SLOTONIP 90 K is especially used if high demands on corrosion resistance are required.

Electroless Nickel SLOTONIP 90 K is free from lead and cadmium therefore the nickel-phosphor layers deposited from this electrolyte are in compliance with RoHS.

The electrolyte is easy to operate, maintain and has notably high stability. The electrolyte is ammonium-free, the pH value is adjusted with carbonate solution. The deposition rate is approx. 10 - 13 µm/h.

The electrolyte is made-up with combined additives. Additionally single additives are available in order to adjust the electrolyte according to the desired condition.

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](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.**