

# Electroless Nickel SLOTONIP NP 1220

Electroless Nickel SLOTONIP NP 1220 is an electroless process for the deposition of nickel-phosphorus coatings onto metals and non-conductive material.

The nickel-phosphorus layers deposited from Electroless Nickel SLOTONIP NP 1220 are free from lead and cadmium and meet the requirements of the RoHS (Restriction of *the use of certain*) Hazardous Substances). The resulting deposits are light, semi-bright to bright with a phosphorus content of 6 - 9 %.

The operating temperature is only 80 °C whereby a deposition rate of approx. 10 - 12 µm/h is possible.

An easy electrolyte operation without any problems in combination with high electrolyte stability, are the features of this electrolyte. The pH value can be adjusted with ammonia or carbonate solution. The deposition rate is approx. 10 - 12 µm/h.

The electrolyte is made-up with combined additives and during operation replenished with combined additives. This especially simplifies the handling during electrolyte operation. Single additives will also be available for individual adjustment of the electrolyte.

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.**

