

# Tin-Lead

## SLOTOLET G 50 1

Tin-Lead SLOTOLET G 50 1 is a strong acidic, fluoride-free electrolyte based on alkyl sulphonic acid and is intended for the deposition of bright tin-lead coatings. The alloy composition can be varied over a wide range. Haze-free coatings can be achieved in an alloy range of 5 - 35 %.

An alloy of 3 - 5 % lead is sufficient to prevent whisker formation. Solderability of the coatings is excellent even after accelerated heat ageing (e.g. tempering 16 h/155 °C).

The electrolyte is fluoride-free. It is possible to use anode baskets and -hooks made of titanium as long as the drag-in of fluorides or complex bound fluorides can be excluded.

A newly made-up electrolyte contains approx. 30 mg/l AOX. This minor AOX concentration will not increase the AOX content in the general effluent.

The additives required for make-up and operation don't contain any alkylphenol ethoxylates (nonylphenol ethoxylates).

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.**

