

# Tin-Lead

## SLOTOLET KB 10

The Tin-Lead SLOTOLET KB 10 is an acidic, fluoride-free process for the deposition of matt fine grained tin-lead coatings. The field of application is the tin-Lead deposition at high cathode current density ranges e.g. in reel-to-reel plating plants where connector strips or wires are plated. The additive system contains low foaming wetting agents, which prevent from disturbing foam formation under production conditions. The achievable cathodic current densities depend on the total metal concentration, electrolyte temperature and the intensity of the electrolyte circulation. Cathodic current densities of up to 80 A/dm<sup>2</sup> can be achieved when there's a high electrolyte flow. The achievable anodic current densities are also high, preventing from anode passivation under normal operating conditions.

The carbon content of the coatings is 0.003 %. The solderability is even after an accelerated heat aging of e.g. 16 h dry heat / 155 °C excellent. The electrolyte is fluoride-free. Titanium is suitable for anode baskets or anode hooks. The drag-in of fluorides and complexing fluorides must therefore be excluded.

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.**

