

Matt Tin

SLOTOTIN 50 1

Matt Tin SLOTOTIN 50 1 is a sulphate-free electrolyte for the deposition of fine crystalline coating with excellent covering power. Tin is deposited in a grain size of 3 - 8 µm. In this form the tendency to form whiskers is reduced. Coatings deposited from Matt Tin SLOTOTIN 50 1 are compatible with lead-free solders.

Anode solubility in systems based on the Acid Concentrate FF is much higher than in sulphuric acid based processes. The electrolyte can preferably applied at higher anodic current densities (> 2 A/dm²).

Matt Tin SLOTOTIN 50 1 is easy to operate and mainly limited to monitoring of the tin(II).- and acid concentration. Consumption of the additives is mainly due to drag-out.

The additives required for make-up and operation do not contain any alkylphenol ethoxylates (nonylphenol ethoxylates).

Tin Additive SLOTOTIN 52 MF is free of methanol.

They also meet the requirements of the RoHS Directive (Restriction of certain Hazardous Substances) relating to the limit of lead, mercury, cadmium, chrome(VI), Polybrominated Biphenyls and Polybrominated Diphenyl Ethers.

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.

