

Tin-Copper SLOTOLLOY SNC 50

Tin-Copper SLOTOLLOY SNC 50 is an electrolyte on sulphuric acid basis for the deposition of bright tin-copper layers with an alloy content of 1 - 10 % copper. The tendency to form whiskers like at the deposition of pure tin is therefore strongly reduced. The range of application for the Tin-Copper SLOTOLLOY SNC 50 extends to all kinds of electrical and electrical parts for which lead-free coatings are specified.

The co-deposition of organic components of the additive system of the electrolyte is very less. Independent of the material throughput, the electrolyte offers a high bath stability. Due to the very low co-deposition of organic components the solderability of the coatings deposited from Tin-Copper SLOTOLLOY SNC 50 remain excellent even after heat ageing tests (e.g. 16 hours at 155 °C). In this case it is important to operate at low temperatures. The formation of tin(IV) compounds, which cause the usual cloudiness of sulphuric electrolytes, is reduced in Tin-Copper SLOTOLLOY SNC 50. Tin-Copper SLOTOLLOY SNC 50 can be used for both rack- and barrel application.

The additives required for the make-up and operation of the electrolyte doesn't contain any alkylphenol ethoxylates (nonylphenol ethoxylates).

The coatings deposited from Tin-Copper SLOTOLLOY SNC 50 also meet the requirements of the RoHS (Restriction of certain Hazardous Substances) EU Directive 2002/95/EC relating to the limit of lead, mercury, cadmium, Cr(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 these instructions carefully and follow recommendations given.

We reserve the right to make technical changes as necessary.

In the interests of safety, please pay attention to the R- and S- phrases on the drum label.

The shelf life of the additives is generally 18 months.

The date of production is taken from the first 3 figures of the batch number.

Figure 1 = year; figures 2-3 = month; figures 4-7 = batch number; (UK labels use a 4 digit year code).

For the storage of chemical products only the TRGS 514 and TRGS 515 Regulations must be followed. The Hazardous Goods Regulation (ADR/GGVS) are only valid for transportation and must not be applied to storage.

