

Bright Tin

SLOTOTIN 30 1

Bright Tin SLOTOTIN 30 1 is an electrolyte on sulphuric acid basis for the deposition of bright tin coatings. Very bright deposits are achieved in very low current densities making the process ideally suited for the plating of parts with a complex surface geometry.

The solderability of tin coatings deposited from Bright Tin SLOTOTIN 30 1 remain excellent even after heat ageing tests (e.g. 16 hours at 155 °C), but for this it is important to operate the electrolyte at low temperatures.

The formation of tin(IV) compounds, which cause the usual cloudiness in electrolytes on sulphuric acid basis, is reduced in Bright Tin SLOTOTIN 30 1.

Bright Tin SLOTOTIN 30 1 can be used for both rack- and barrel application.

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

The coatings deposited from Bright Tin SLOTOTIN 30 1 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 labels of the containers. The minimum shelf life of the additives is printed on the label of the container. The current IMDS number of the layer deposited from the process can be found on the internet at www.schloetter.de/downloads.

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.

