

Bright Tin

SLOTOTIN 70

Bright Tin SLOTOTIN 70 is a sulphuric acid based electrolyte for the deposition of very bright tin coatings in rack or barrel applications. 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 deposit solderability remains excellent even after heat ageing tests (e. g. 16 hours at 155 °C), but for this it is important to operate at low temperatures.

Cloud formation caused by tetravalent tin, as it's known from other sulphuric acid based tin electrolytes is retarded in Bright Tin SLOTOTIN 70. Different brighteners for rack- and barrel application are available.

Troublesome foaming does not occur with Bright Tin SLOTOTIN 70 since the additives used are only slightly foaming. This is especially beneficial for barrel application since strongly foaming wetting agents would have a strong foaming effect during the barrel lift-out.

The additives required for electrolyte make-up and operation meet the requirements of the RoHS Directive (Restriction of certain Hazardous Substances) EU Directive 2002/95/EC relating to the limit of lead, mercury, cadmium, hexavalent chromium, polybrominated Biphenyls and polybrominated Diphenyl Ethers. The additives are NPEO-free.

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.

