Bright Zinc
SLOTANIT OT 60-1

SLOTANIT OT 60-1 is a weak acidic bright zinc electrolyte for rack and barrel plating. The deposits produced are very bright, excellent ductile and suitable for subsequent chromating or passivating.

Depending on metal concentration, bath temperature and chloride concentration SLOTANIT OT 60-1 may be operated in high current density range. Independent of the additive concentration in the bath and especially in barrel applications, SLOTANIT OT 60-1 may be operated at temperatures up to 60°C without having a cloud point. Also there will be no decrease in brightness. Nevertheless, operating temperatures of < 35°C are recommended for rack application in order to use the far better degree of brightness as well as the bright throwing power to full capacity.

The electrolyte is normally operated without ammonium, which makes effluent treatment easier. Ammonium salts may be used in the bath but the ductility of the zinc deposit decreases as the concentration of ammonium increases, so concentrations of more than 10 g/litre of ammonium should be avoided.

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

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 Hazardous Substances Regulation must be followed.
The Hazardous Goods Regulation (ADR/GGVS) are only valid for transportation and must not be applied to storage.

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