

Bright Zinc

SLOTANIT OT 110

Bright Zinc SLOTANIT OT 110 is a weak acidic bright zinc electrolyte for rack and barrel plating. Very bright coatings with excellent bright throwing power and ductility in combination with the possibility of good chromating and passivating are remarkable features of this process.

Depending on metal concentration, electrolyte temperature and chloride concentration, SLOTANIT OT 110 may be operated in high current density range. Independent of the additive concentration in the electrolyte and especially in barrel applications, SLOTANIT OT 110 may be operated at temperatures up to 45 °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 electrolyte but the ductility of the zinc deposit decreases as the concentration of ammonium increases, so concentrations of more than 10 g/l of ammonium should be avoided.

Further finishing treatment of the zinc layers is possible with products of our METAPAS, SLOTOPAS and SLOTOFIN series.

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.

