

Bright Zinc SLOTANIT OT 60 1

Bright Zinc SLOTANIT OT 60 1 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, Bright Zinc SLOTANIT OT 60 1 may be operated with high current load. A disturbing cloud point, also at a high salt content, isn't to be expected, so high operating temperatures of up to 60 °C especially in barrel applications is quite practicable without a disturbing 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.

Due to wastewater-technical aspects the electrolyte is usually operated ammonium-free. However, the use of ammonium salts is allowed. It should be noted, that with raising ammonium content the ductility of the zinc coatings is decreasing. Therefore, ammonium concentrations > 10 g/l are less useful.

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 this instruction carefully prior to the use of the process and carefully follow all the parameters that have a direct influence on the operation. We reserve the right to make technical changes. In the interest of safety, please pay attention to the hazard warnings on the labels of the containers. The minimum shelf life of the products is included on the labels and is also available in the appropriate Quality Assurance (QA03).

The current IMDS number of the layer deposited from the process is available on the internet at www.schloetter.com/downloads.

For the storage of chemical products the TRGS 510 must be followed.

If the additives used in this process contain a SVHC-substance, then this will be specified in the corresponding Material Safety Data Sheet, section 15.

