Bright Zinc
SLOTANIT OT 1

Bright Zinc SLOTANIT OT 1 is a weak acidic electrolyte for both rack- and barrel parts. High brilliance, excellent ductility of the bright zinc coatings in conjunction with a good chromating or passivating are the remarkable features of this process.

Depending on metal concentration, operating temperature and chloride concentration SLOTANIT OT 1 can be operated in high current density range. Even at a high salt content no interfering cloud point will occur so electrolyte temperatures of approx. 50 °C especially at barrel application are indeed practicable. At electrolyte temperatures > 35 °C a light decrease of the brightness especially at rack parts becomes visible without a considerably impaired throwing power of the electrolyte.

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 increasing 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.

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