

ALKALINE ZINC

Bright Zinc ZINCASLOT 50

Bright Zinc ZINCASLOT 50 is an alkaline, non-cyanide process suitable for both rack and barrel plating.

Features of Bright Zinc ZINCASLOT 50 are as follows:

- ☒ excellent metal distribution
- ☒ very good adhesion of the zinc coatings
- ☒ wide operating range regarding the applicable current density
- ☒ good chromating and passivating

ACID ZINC

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.

CYANIDE ZINC

Bright Zinc ZINCACYN 100

Bright Zinc ZINCACYN 100 is easy to handle and features high stability and high applicable cathode current densities. Its coatings are bright over a wide current density range and shows a good chromating behaviour, even if the bath temperature is slightly raised.

Bright Zinc ZINCACYN 100 can be operated in barrel and rack installations with either high or low cyanide levels, depending on the zinc concentration in the bath. The brightness is maintained by replenishment with a multi-component additive.