

Chromating

SLOTOPAS Z ZE 20 Black

Chromating SLOTOPAS Z ZE 20 Black is a process for black chromating of zinc and zinc-iron alloy coatings. This process may also be applied for zinc-cobalt alloy coatings if it is used in barrel installations. The chromate layers are less prone to scratching, resulting in optical advantages in barrel application. The chromate layers are also less prone to leaching caused by residual water drops remaining after circulation air drying of rack parts. SLOTOPAS Z ZE 20 Black may be applied as a one-stage process or as a two-stage process together with Post Dip Solution CF (BATH 09024-E), depending on the individual task or the part geometry. The deposits from the two-stage process with Post Dip Solution CF are much brighter than those of the one-stage process.

In special cases (i.e. for heat treated components), zinc-iron alloy coatings which have been chromated with SLOTOPAS Z ZE 20 may be subsequently post-treated (wet-on-wet) with Sealant SLOTOFIN 10 (BATH 09033-E). Sealing of the surface increases the temperature resistance of the chromate layer, preventing loss of corrosion resistance after heat treating for 24 hours up to a temperature of 140 °C.

The process is operated without silver when chromating zinc-alloy coatings. This gives advantages in corrosion protection. The demands of the automotive industry are met as well as the demands according to DIN 50962. The corrosion resistance is improved when the parts are dried at high temperatures (70 - 100 °C).

Zinc coatings must be chromated in a solution containing silver added as METAPAS Agent. Compared to the zinc alloy coatings the corrosion resistance is noticeably less. The demands according to DIN 50061 are met.

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.

