Chromating
SLOTOPAS ZZE 20 Black

Chromating SLOTOPAS ZZE 20 Black is a process for black chromating of zinc and zinc-iron alloy coatings. The chromate layers are less prone to scratching, resulting in optical advantages in barrel application. In addition, the chromate layers are also less prone to bleeding caused by residual water drops remaining after circulation air drying of rack parts. For this reason and depending on the assigned task as well as the surface geometry of the parts Chromating SLOTOPAS ZZE 20 Black may be applied as a one-stage process but also as a two-stage process using Post-Dip Solution CF (BATH 09024-E). In the latter case, slightly brighter surfaces are achieved.
In special cases, especially thermal stressed parts, zinc-iron alloy coatings plated with Chromating SLOTOPAS ZZE 20 Black can be additionally post-treated (wet-to-wet) with Sealant SLOTOFIN 10 (BATH 09033-E). Sealing of the surfaces raises the temperature resistance of the chromate layer without a decrease of the corrosion resistance after heat treatment 24 h / 140 °C.
For zinc-alloy layers the chromation is operated free from silver which results in 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 higher temperatures (70 - 100 °C).
On the contrary, zinc coatings must be chromate in a silver containing solution using METAPAS Agent. Compared with zinc alloy coatings the corrosion resistance is therefore 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 this instructions 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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