

Thick Layer Passivation SLOTOPAS HK 10

Thick Layer Passivation SLOTOPAS HK 10 is a chromium(VI)-free passivating process for electroplated zinc and zinc-iron alloy coatings with an alloy content of 0.2 - 0.4 % by weight of iron. The conversion layer deposited by immersing shows on zinc surfaces a slightly bluish-yellowish-greenish finish while on zinc-iron alloy coatings the conversion layer appears intensively yellowish-greenish. The achievable corrosion resistance is excellent and comparable with the protecting effect of a yellow chromium(VI) containing yellow chromation. Tests on serial components affirm that if operation is carried out properly the required corrosion resistance according to DIN 50979 can be achieved respectively also significantly exceeded.

Thick Layer Passivation SLOTOPAS HK 10 can alternatively made-up and operated free from ETH with the Passivation Concentrate SLOTOPAS HK 13.

In contrast to yellow chromate (chromium(VI)-containing) zinc surfaces where the good corrosion resistance decreases already at 80 - 90 °C, surfaces treated with Thick Layer Passivation SLOTOPAS HK 10 didn't show this effect. On the contrary drying temperatures of approx. 100 °C improve the corrosion resistance. A brief thermal load, up to approx. 150 °C shows according to our tests no decrease of the corrosion protection.

A uniform transparent and attractive appearance in combination with a higher corrosion protection will additionally be achieved when the components are post-treated with a sealant of our SLOTOFIN series.

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.

