Thick Layer Passivation
SLOTOPAS HK 20

Thick Layer Passivation SLOTOPAS HK 20 is a chromium-free passivating process for electroplated zinc and zinc-iron alloy coatings with an alloy content of 0.3 - 0.6 % 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 blue-green iridescent. The achievable corrosion resistance is excellent and comparable with the protecting effect of a yellow chromium(VI) containing yellow chromation. 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 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.