

# Thin Layer Passivation SLOTOPAS Z 20 blue

Thin Layer Passivation SLOTOPAS Z 20 blue contains fluoride and an inhibitor for iron and cobalt but is free of Cr(VI).

Thin Layer Passivation SLOTOPAS Z 20 blue forms on zinc plated surfaces an intense blue-violet conversion layer with good corrosion behaviour. If the system is operated correctly, the required corrosion resistance according to DIN 50961 is comfortably achieved respectively also significantly exceeded.

The corrosion resistance of the layer system is still guaranteed also after tempering (24 h/120 °C) as required by DIN 50979. A loss of the colour at tempering with higher temperatures (200 - 210 °C) like applied for hydrogen de-embrittlement are less but the corrosion protection decreases. However, tests have proven that 2 - 3 hours of tempering at 150 °C does not affect the corrosion resistance.

In cases where the passivation is exposed to a stronger load of iron (hollow ware) an addition of Inhibitor SLOTOPAS ZB or Inhibitor SLOTOPAS FE 1162 can increase the inhibitory effect and therefore extend the service life of the passivation.

Thin Layer Passivation SLOTOPAS Z 20 blue can alternatively made-up and operated free from ETH with Concentrate SLOTOPAS Z 22 blue. Then, the respective inhibitor for corrosion protection must be added separately.

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](http://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.**

