

Passivation

SLOTOPAS Z 30 T

The Passivation SLOTOPAS Z 30 T is a thin layer passivation and contains chromium(III) compounds, fluorides and is free of Cr(IV). An iron inhibitor can be added separately.

Passivation SLOTOPAS Z 30 T produces on all electroplated zinc coatings an intensive bluish chromium(VI) free passivation layer with an excellent corrosion protection. The required corrosion resistance according to DIN 50979 is significantly exceeded. The corrosion resistance is still excellent after tempering (24 h/120 °C). If tempering with higher temperatures (200 - 210 °C), like applied for hydrogen de-embrittlement, the discolouration is very low.

A temperature load of 8 hours up to 210 °C do not affect the corrosion resistance. The corrosion resistance decreases in comparison with parts which are not tempered but still exceed the required demands according to DIN 50979.

Primarily, Passivation SLOTOPAS Z 30 T is provided for the passivation of barrel parts. With reservation, rack parts can be passivated at a higher pH value as well.

In general, newly made-up passivations are considerably faster respectively more active after a short initial phase. It has to make sure, that the applicable immersion time is adapted.

In cases of a stronger iron exposure (hollow ware) an inhibiting effect to extend the life time of the solution can be achieved by adding Inhibitor SLOTOPAS ZB.

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.

